Lab 11. Create a Custom Connector

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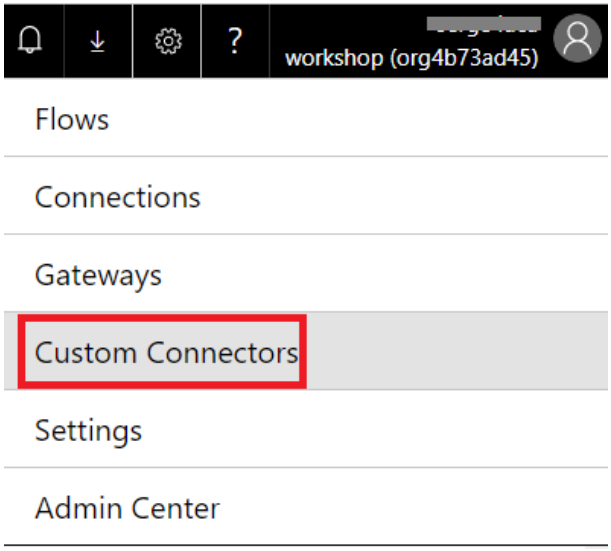
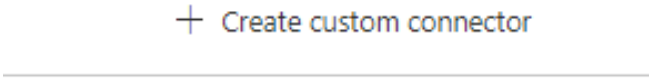
Prerequisites: creating and calling a custom connector requires a Premium connector.

Tasks:

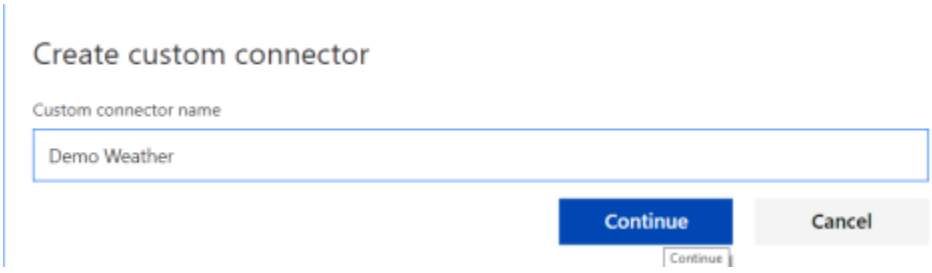
1. Before starting this lab, make sure your API key has been generated. You can reuse the key from the previous lab.
2. Go to the **Connector** menu and select **Custom Connectors**:



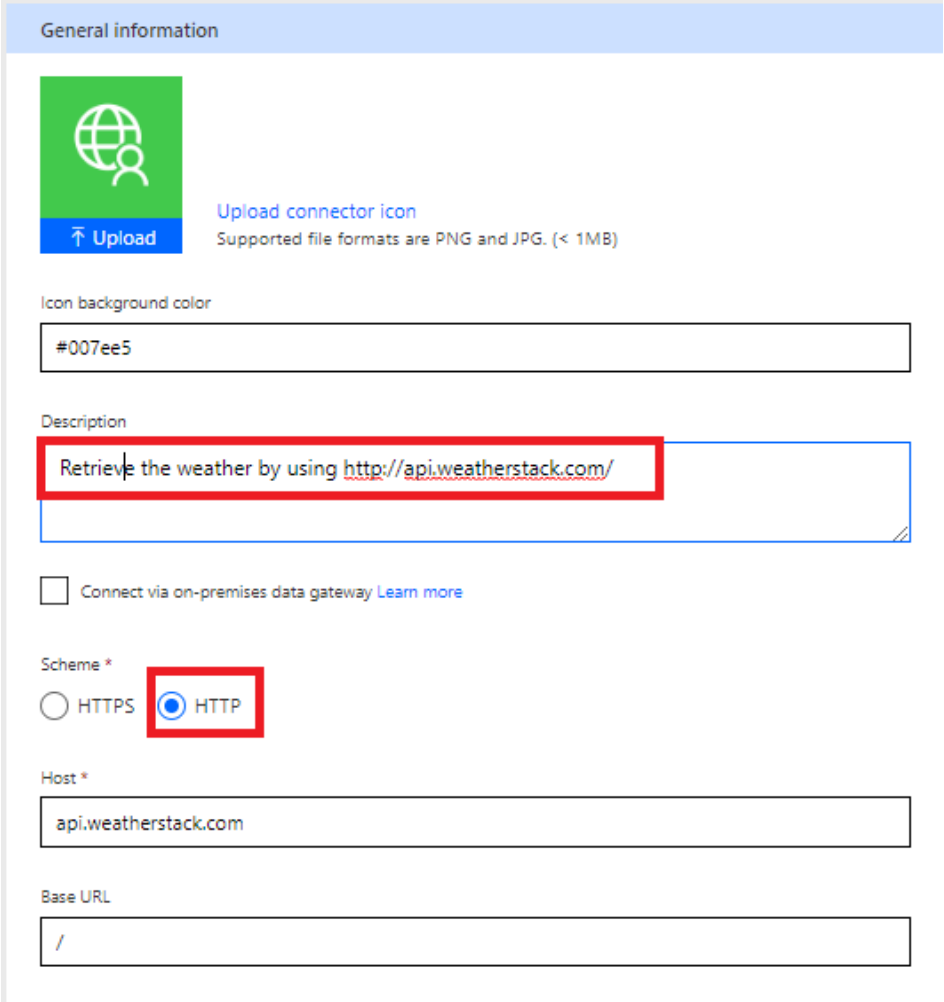
3. Click on **Create custom connector**:



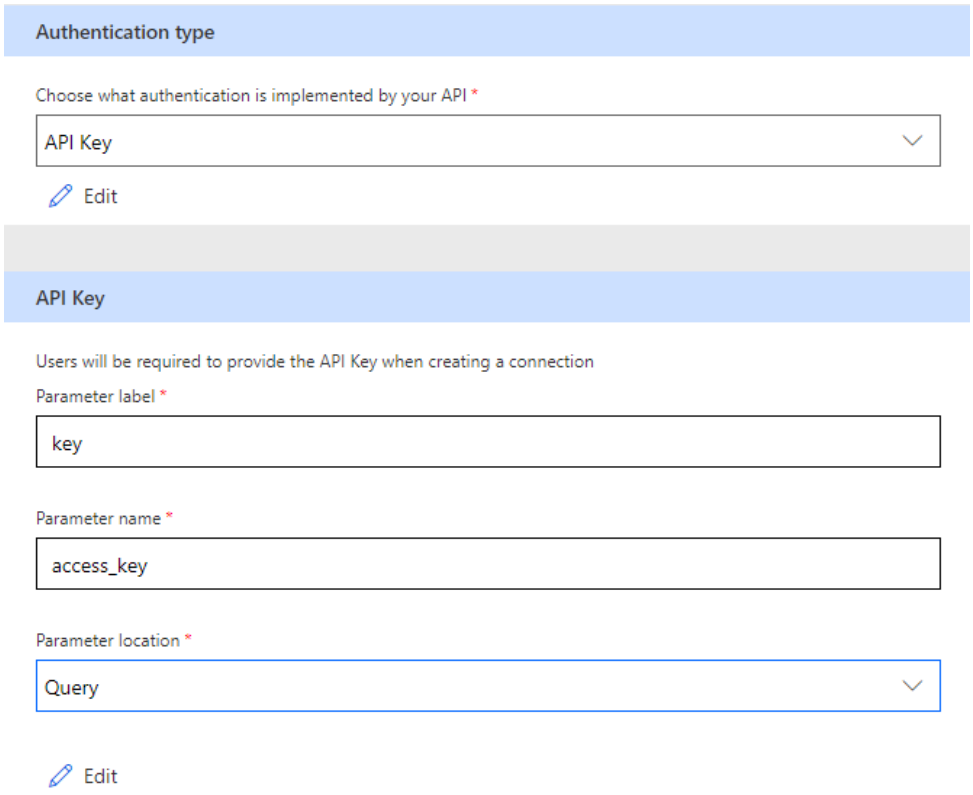
4. Select **Create from blank.**
5. Name the connector “Demo Weather” and click Continue



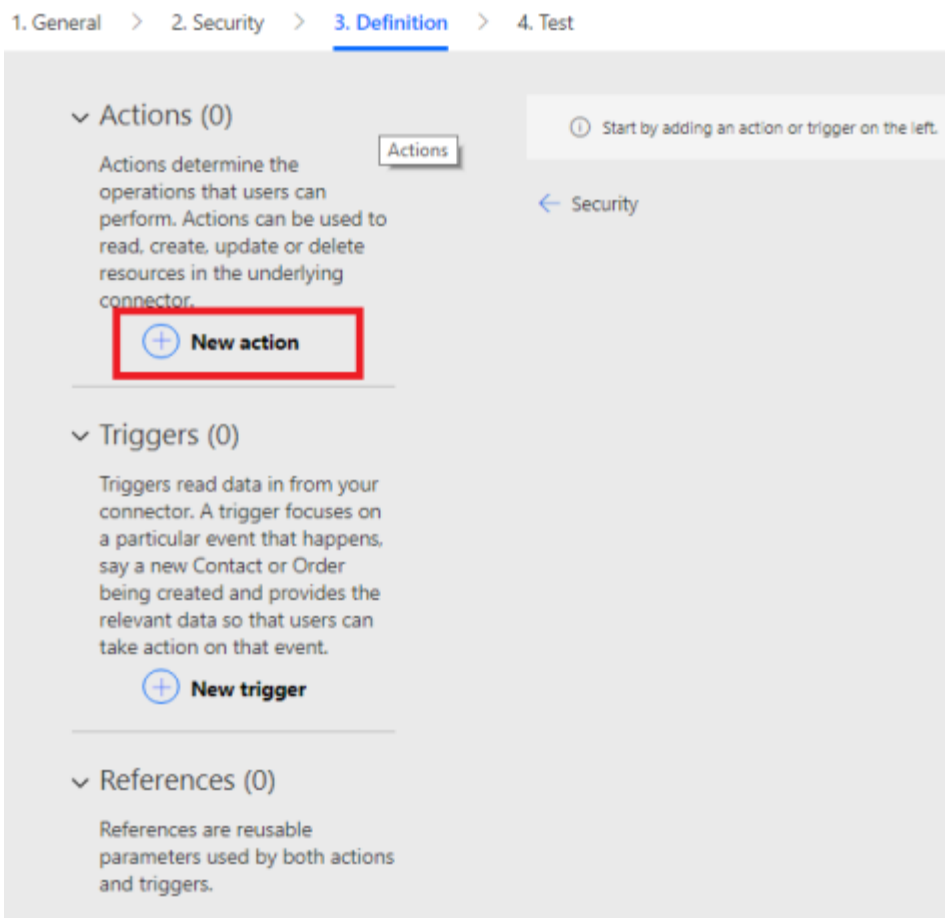
6. Click **Continue** and in the next window, provide the host (**api.weatherstack.com**) and a short description of what your connector does and also select http instead of https:



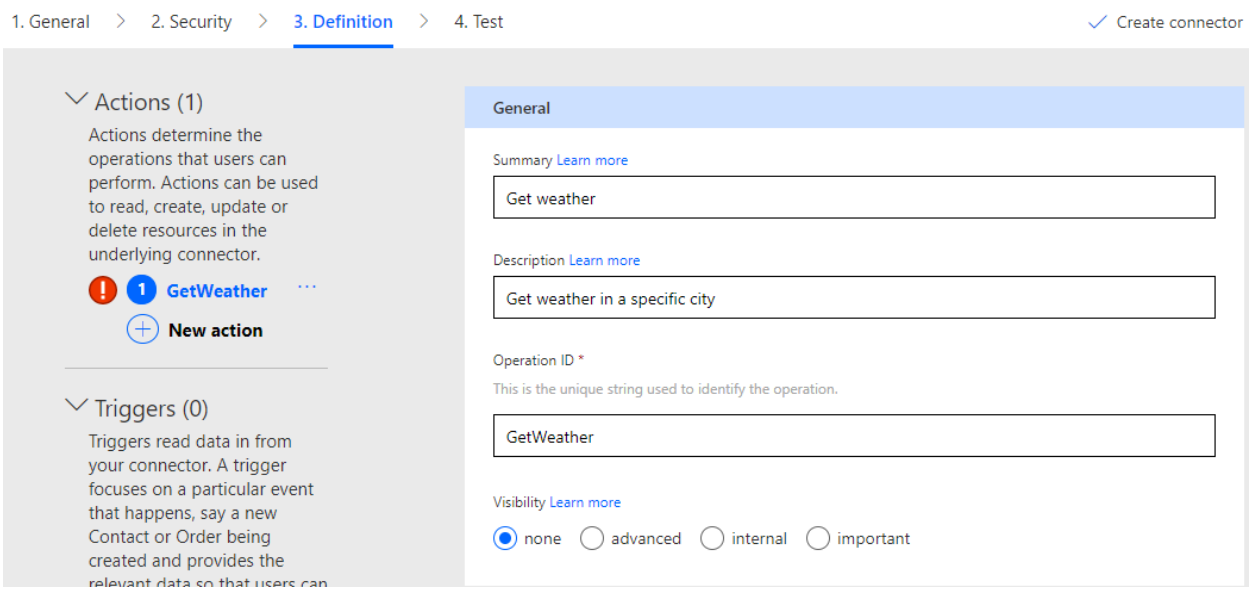
7. Click **Security** to move to the next screen.
8. The authentication type should be **API key**.
9. Since we want the Key parameter to be provided in the query string, create an API key with **key** as Parameter label and Parameter name; switch the parameter location to Query as illustrated in the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



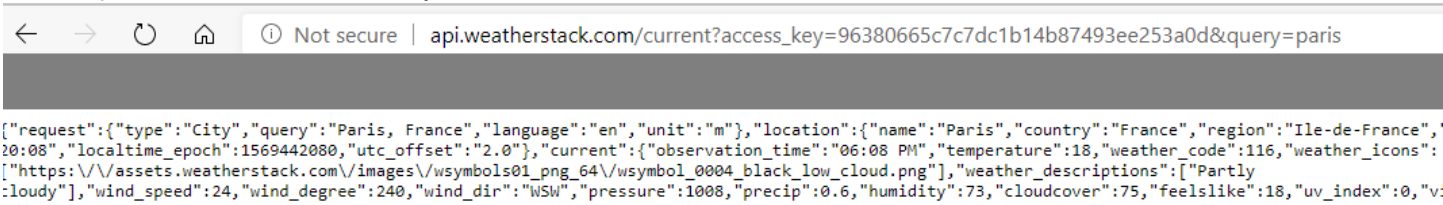
10. Click **Definition**:



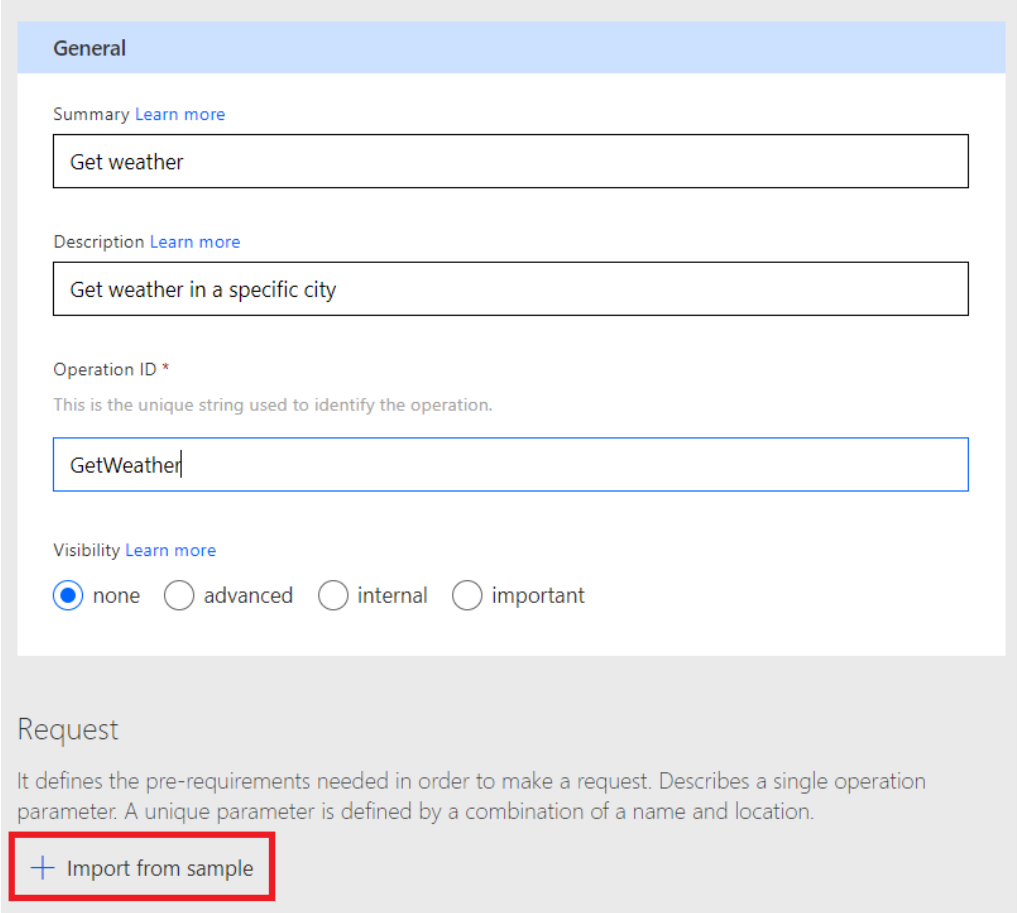
11. Click on **New action**:
12. Define the Action as follow:



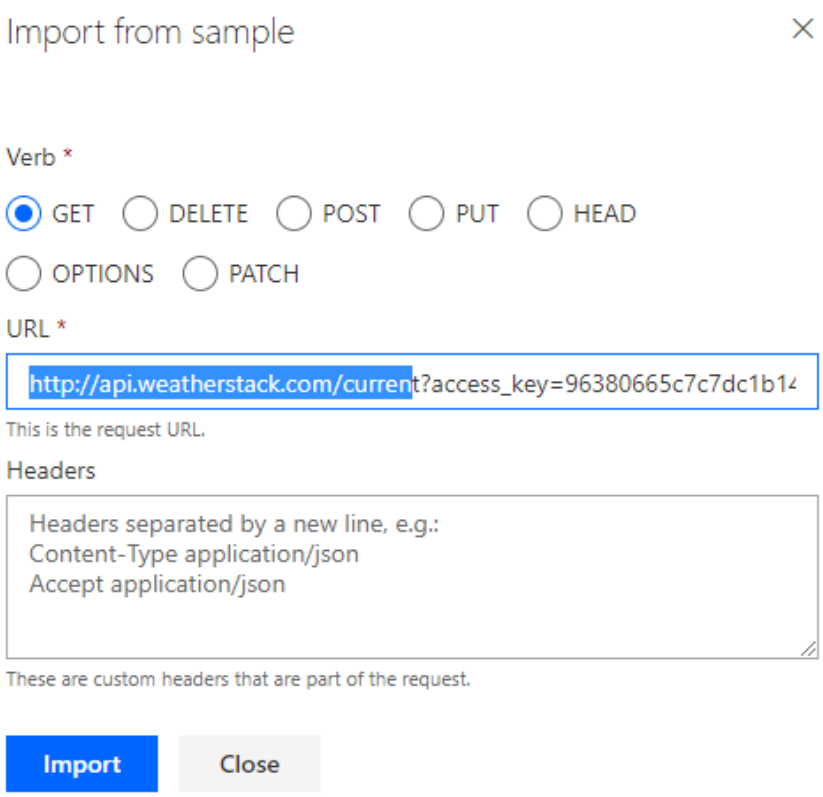
13. In a new browser tab, type a weather request to make sure it works fine and also to generate sample data that we will reuse in our connector definition (don't forget to pass your key as a parameter, as well as the city):



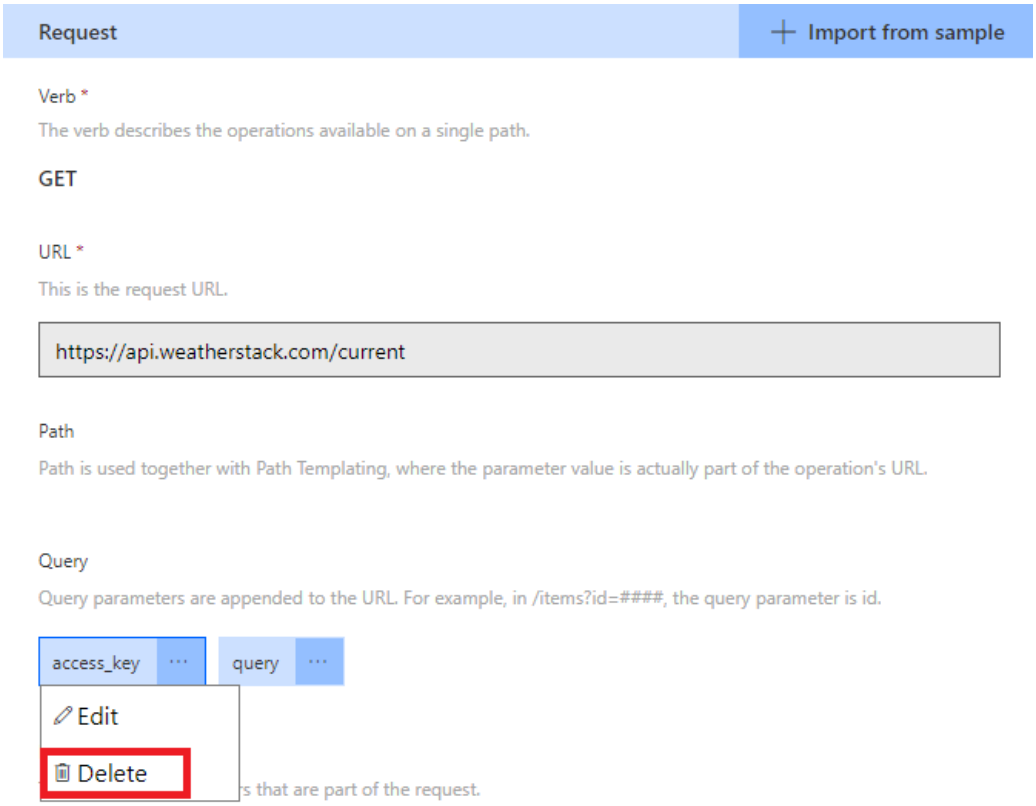
14. Keep this tab open and go back to the connector definition.
15. Down below in **Request**, click **Import from sample**



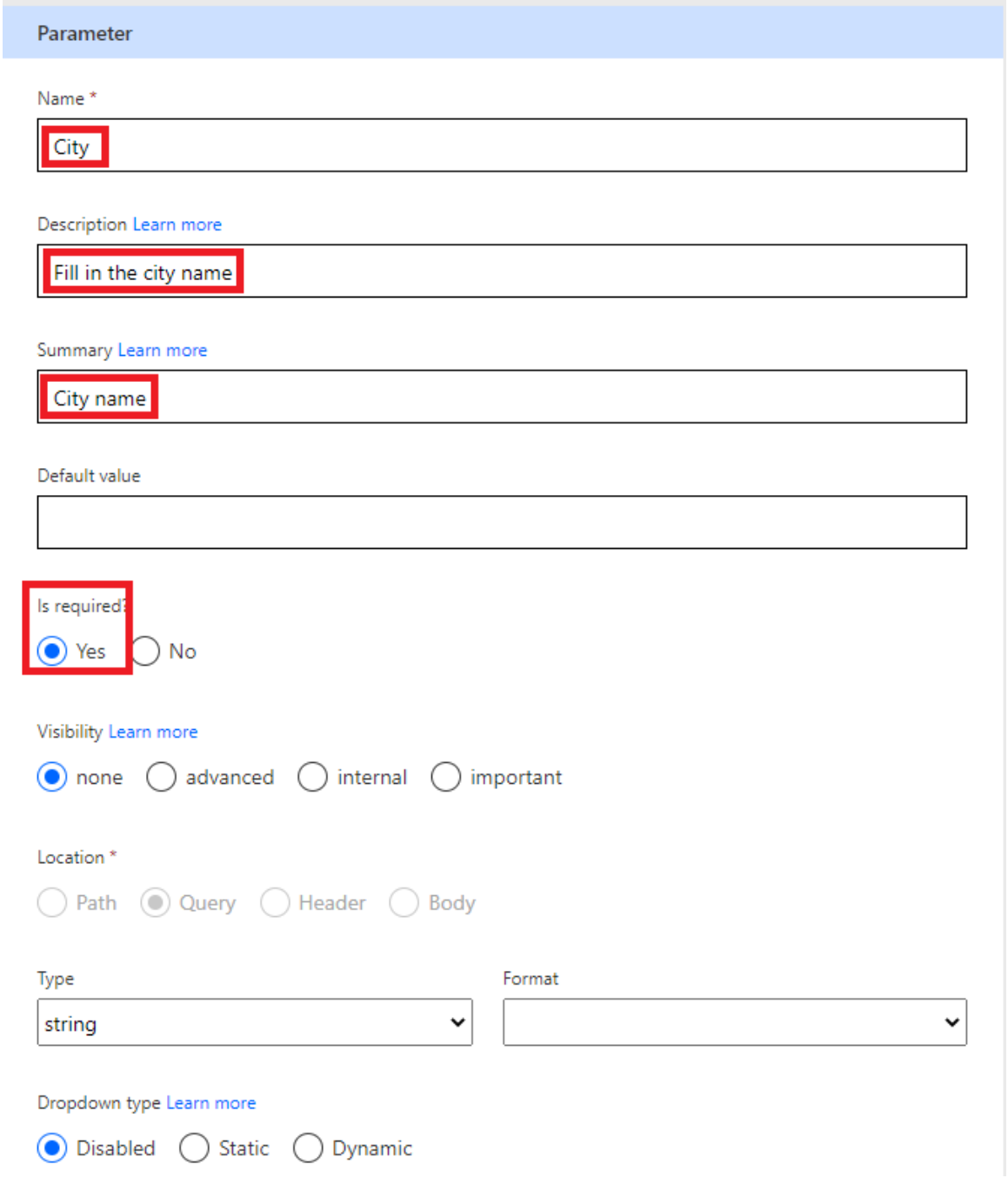
16. Pass your query string, set the verb to **Get** and click i**mport**



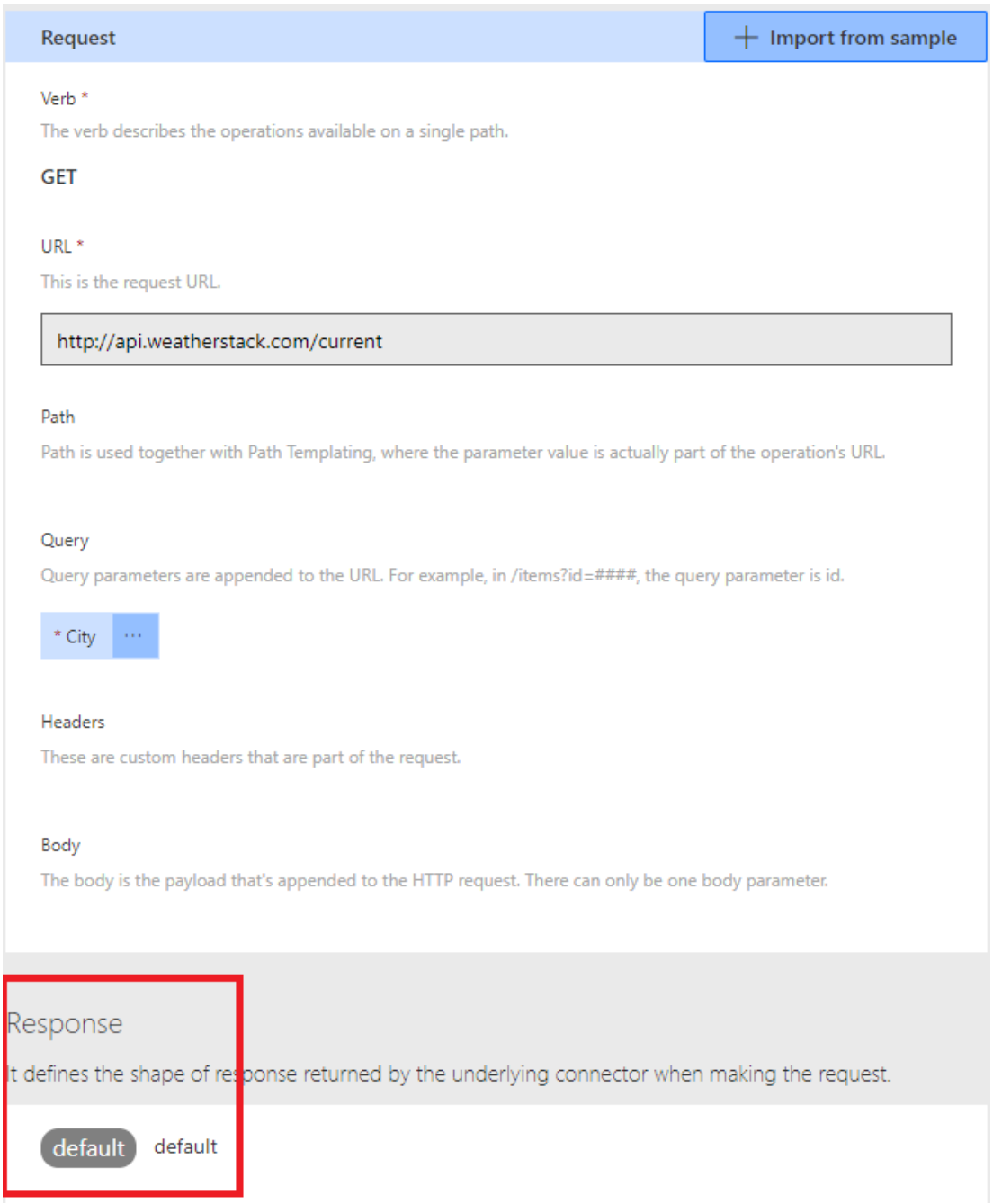
17. 2 parameters will be visible in a Query: **access_key**, **query.**
18. The access_key will be registered in the connector, in such way that there is no need to pass the key for each query; therefore we can delete it:



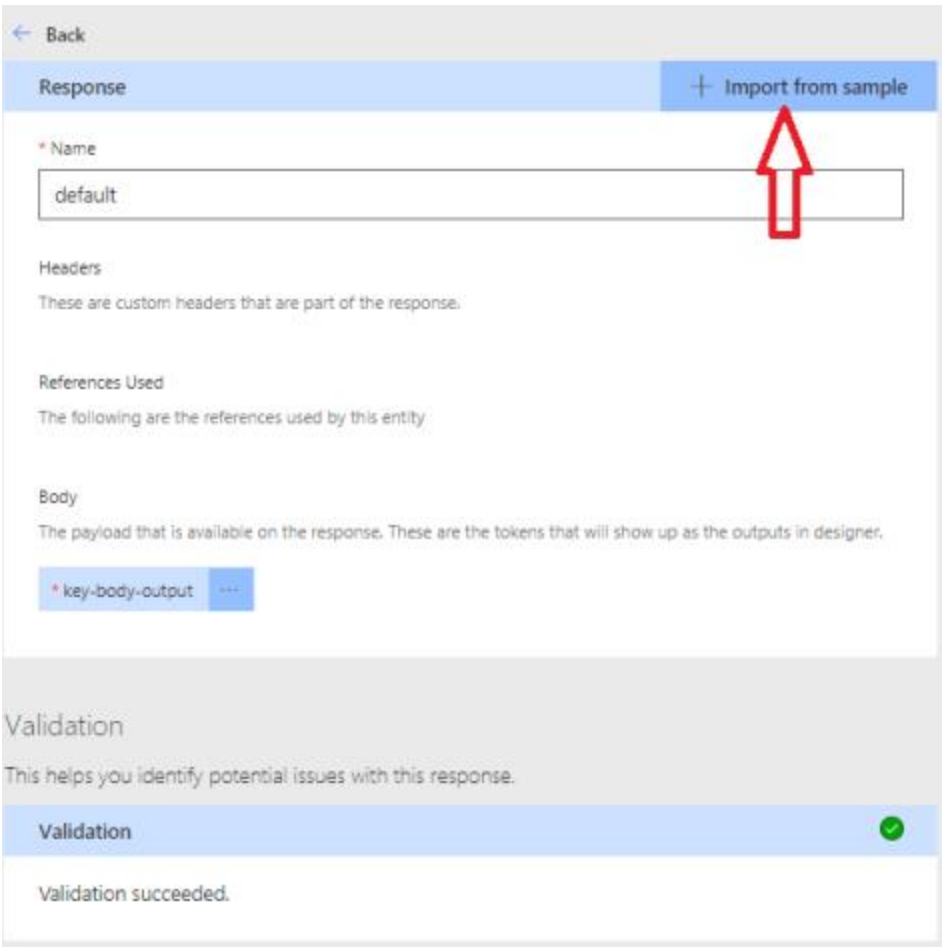
19. Edit the **query** parameter and fill in the **Description** as “Fill in the City Name”, **Summary** as “city name” and make the fields required:



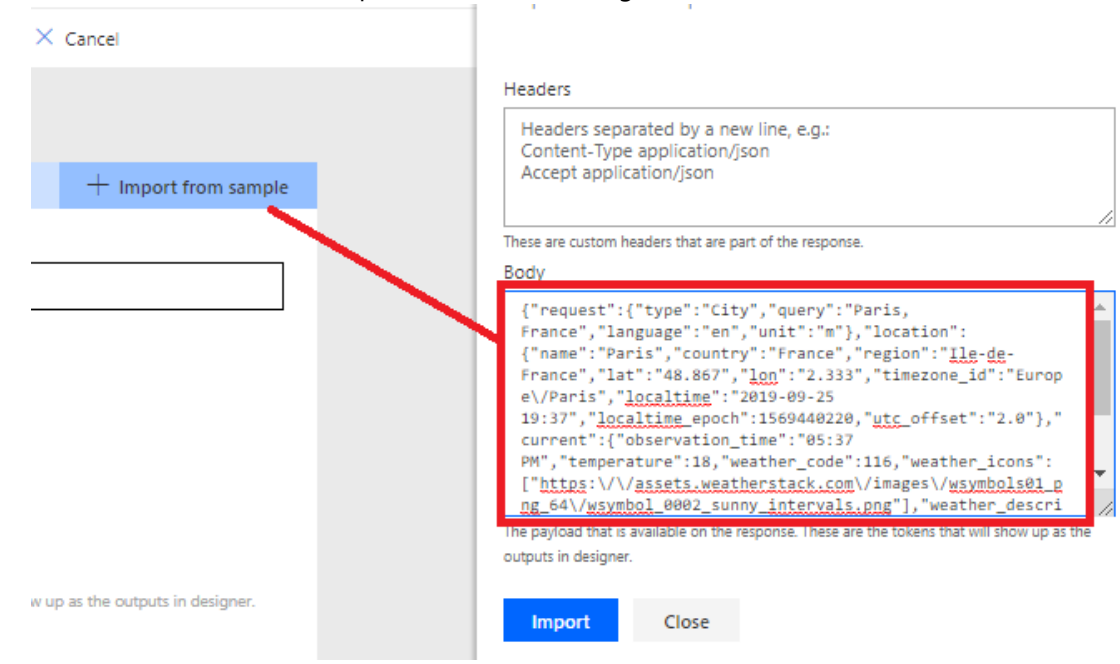
20. Click on **Back**, scroll to **Response**, click on **default** to import another sample; the scroll bar is in the middle of the screen as illustrated in the picture:



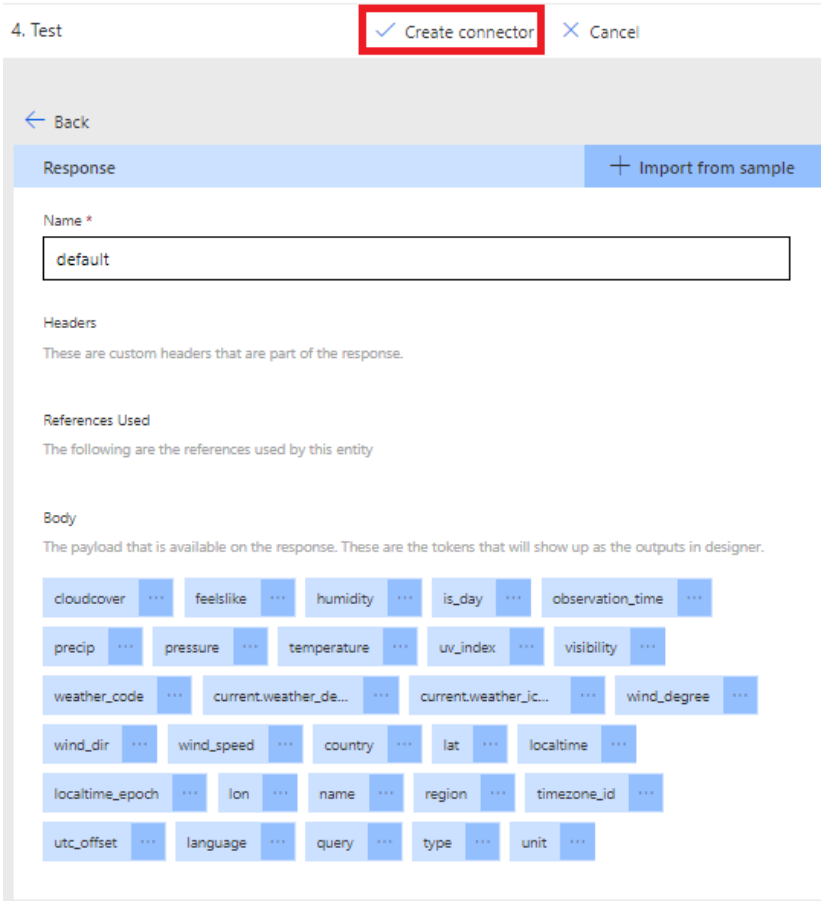
21. In the next window, click on **Import from sample**:



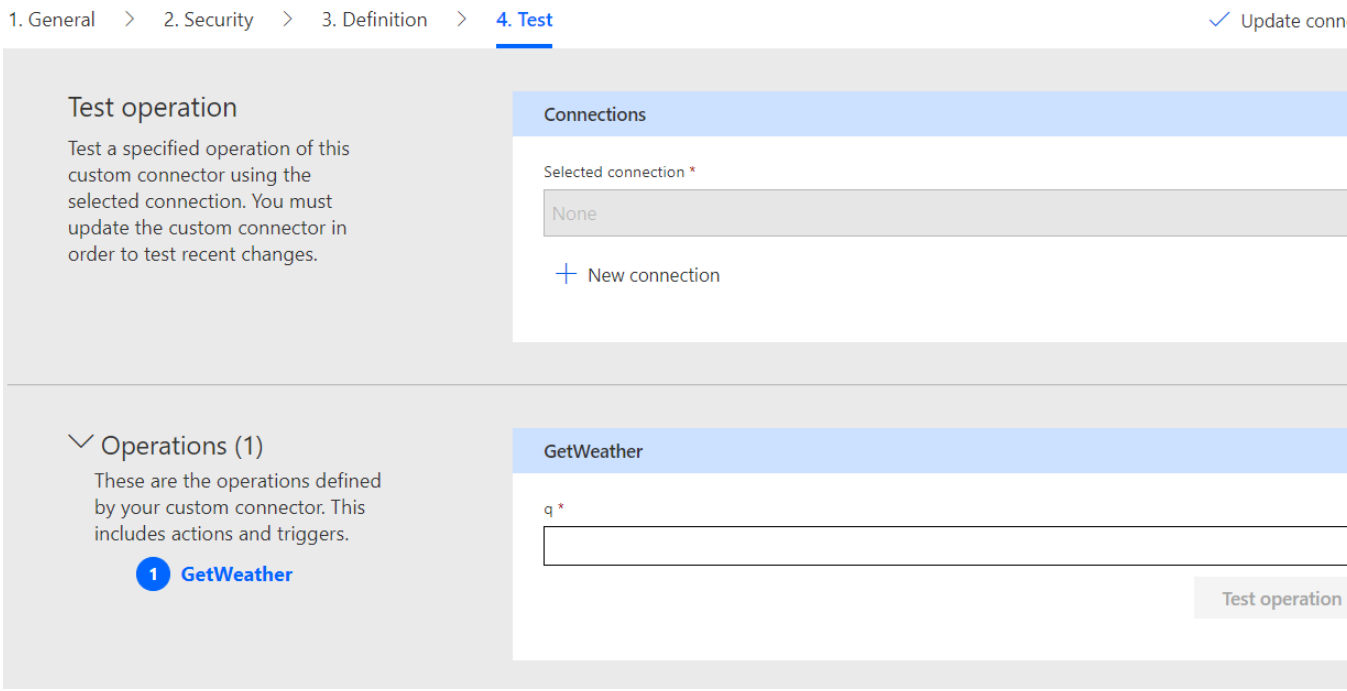
22. ...and in the next window, paste the JSON result grabbed from the browser:



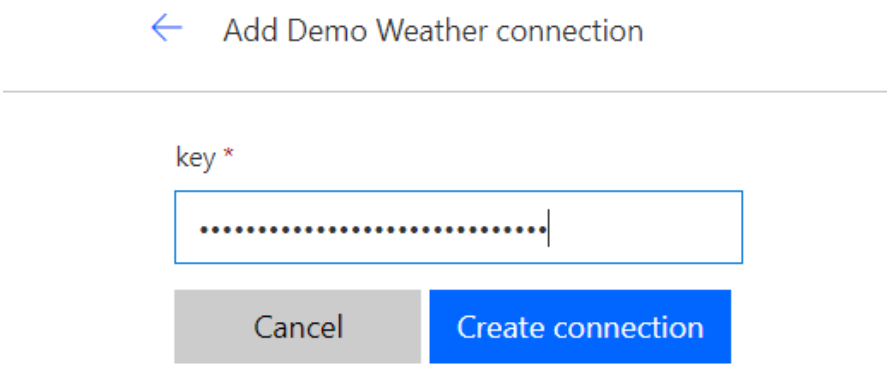
23. Click **Import**.
24. Click **Create Connector**



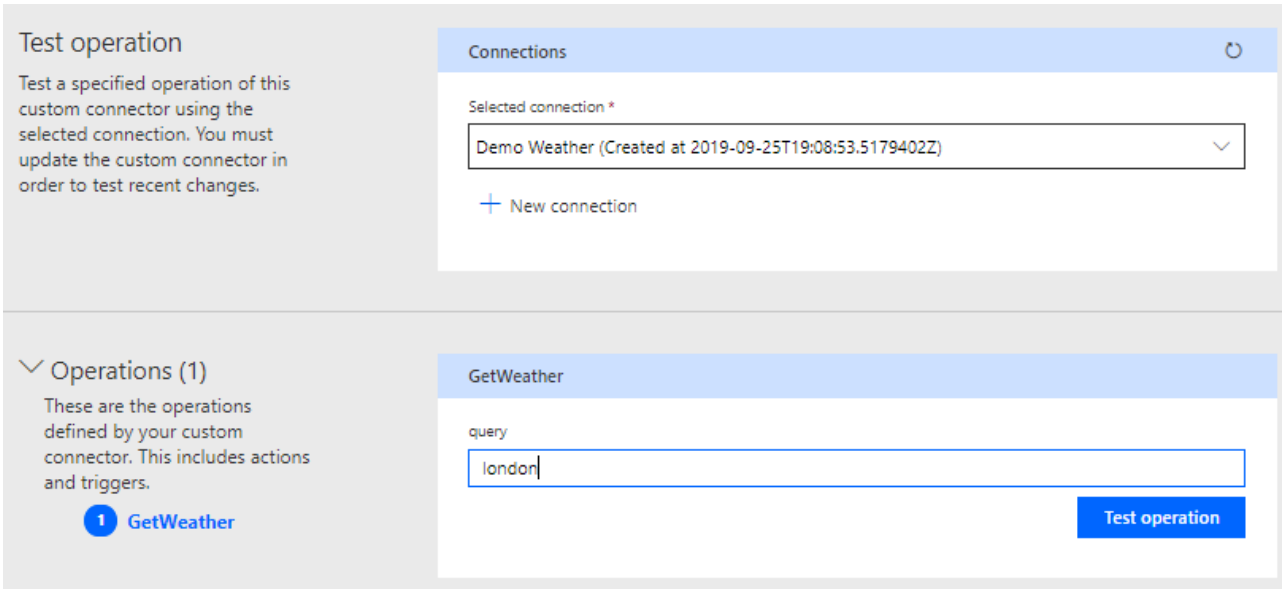
25. You can now test the connector (click Test):



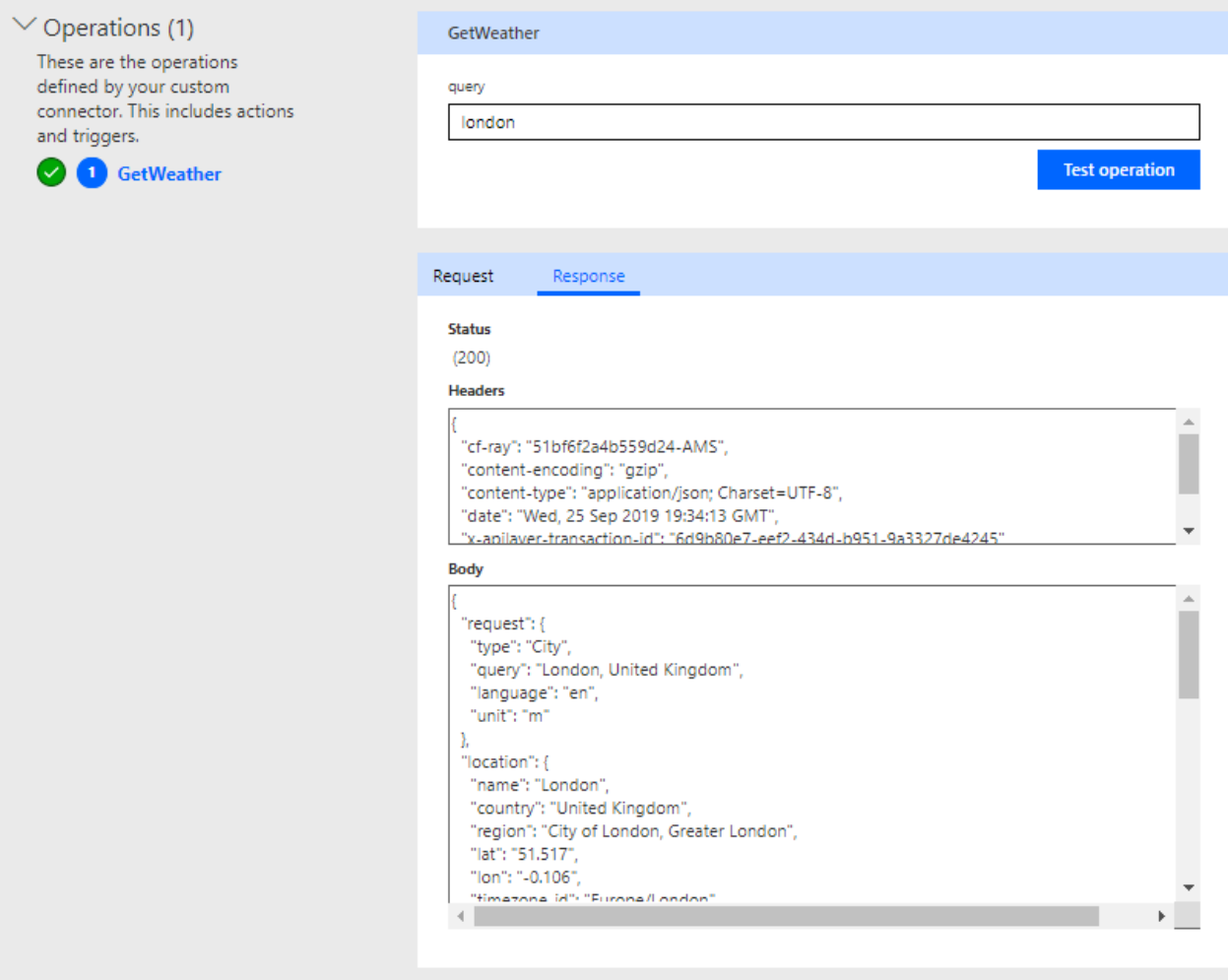
26. However, you need to create a New connection; click on **New connection,** provide your key, and click again on Create connection:



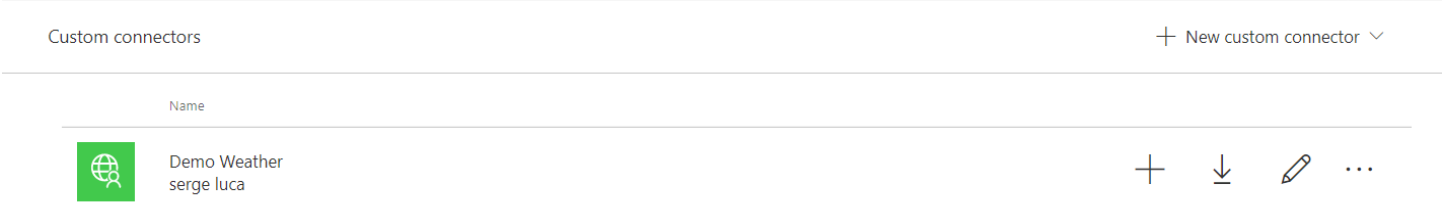
27. You will be redirected to the previous page, where you can click the refresh icon in order to display the new connection:



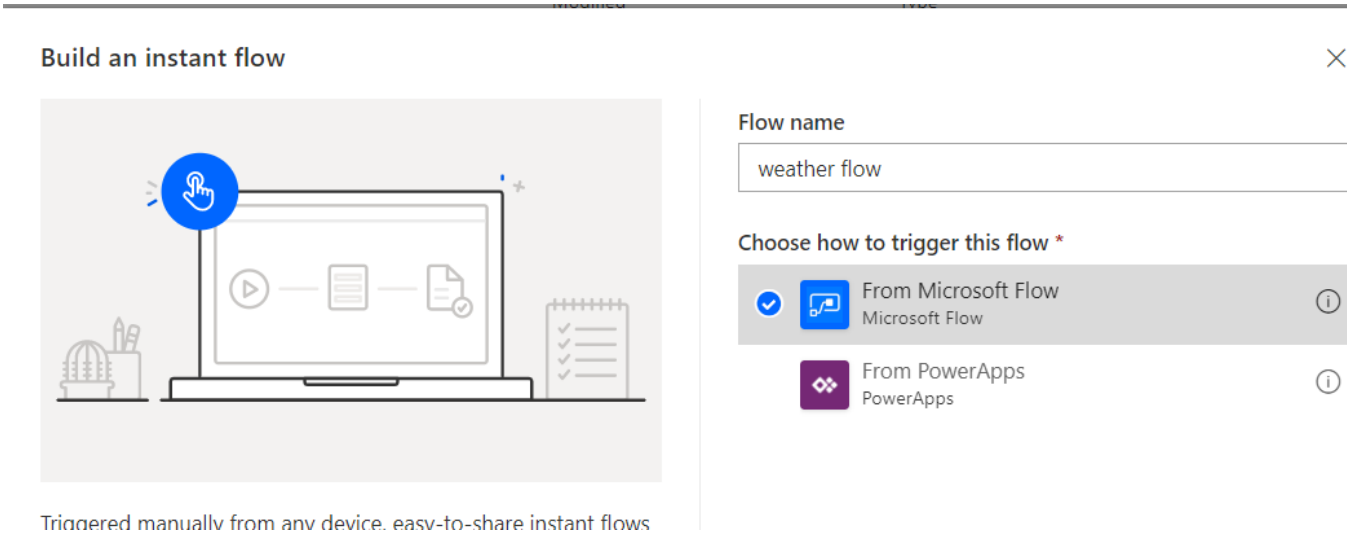
28. Provide a city name, like London, click **Test Operation** and you should get the corresponding weather



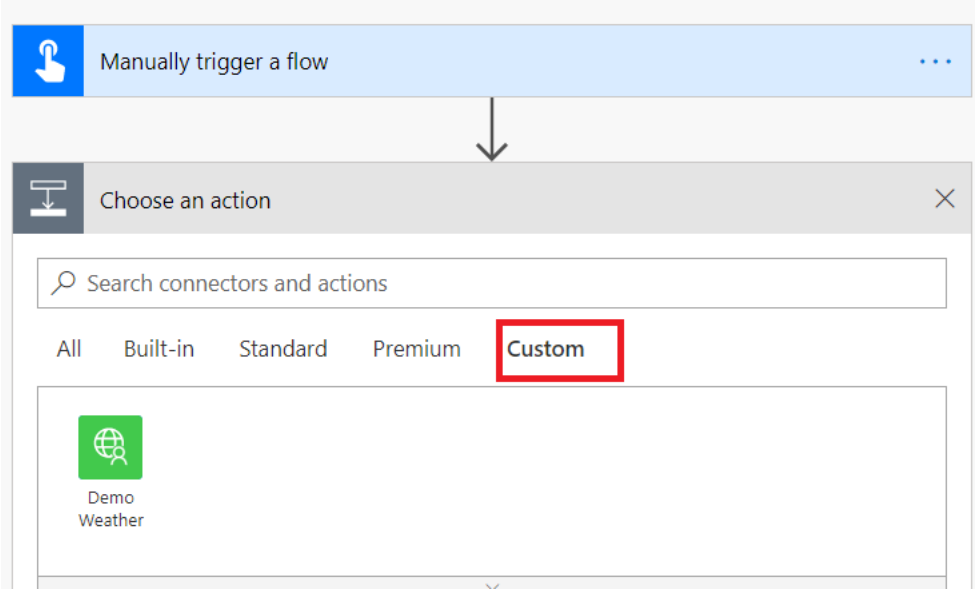
29. Click close, and you will notice that your connector has been created:



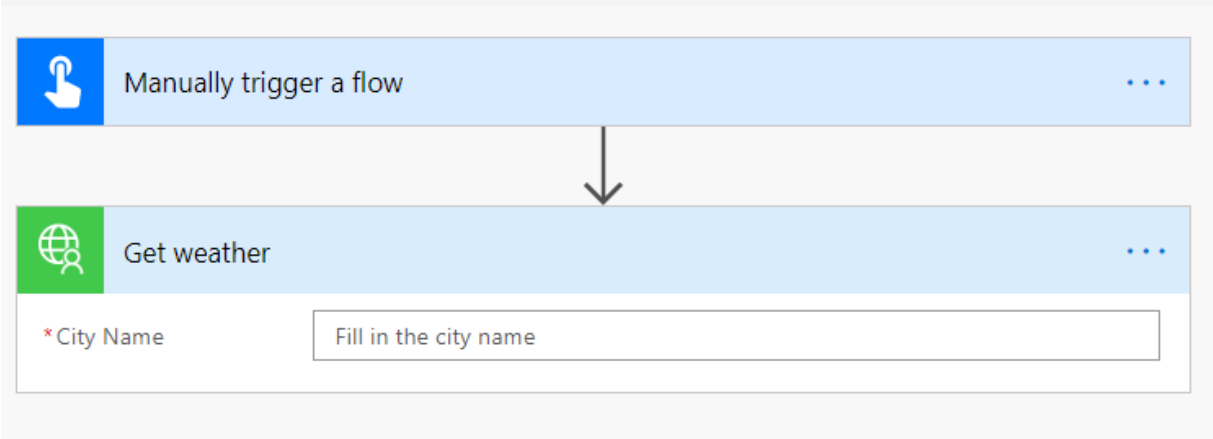
30. You can now create an instant Flow from blank to use this custom connector



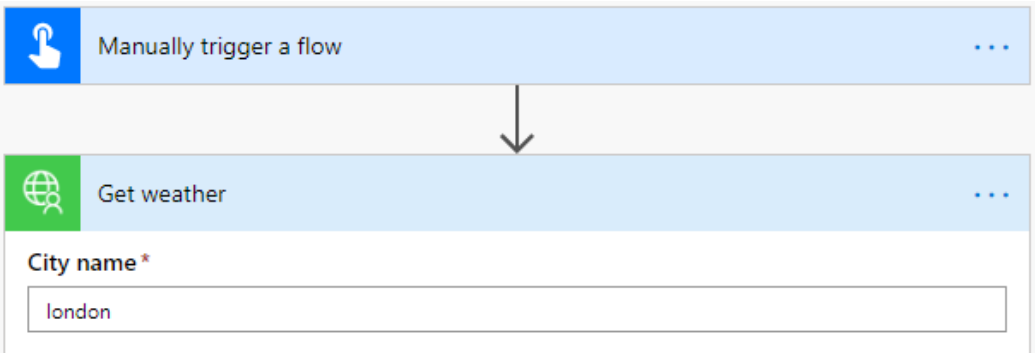
31. Add an "action" from the Custom category; you should find you Demo Weather custom connector:



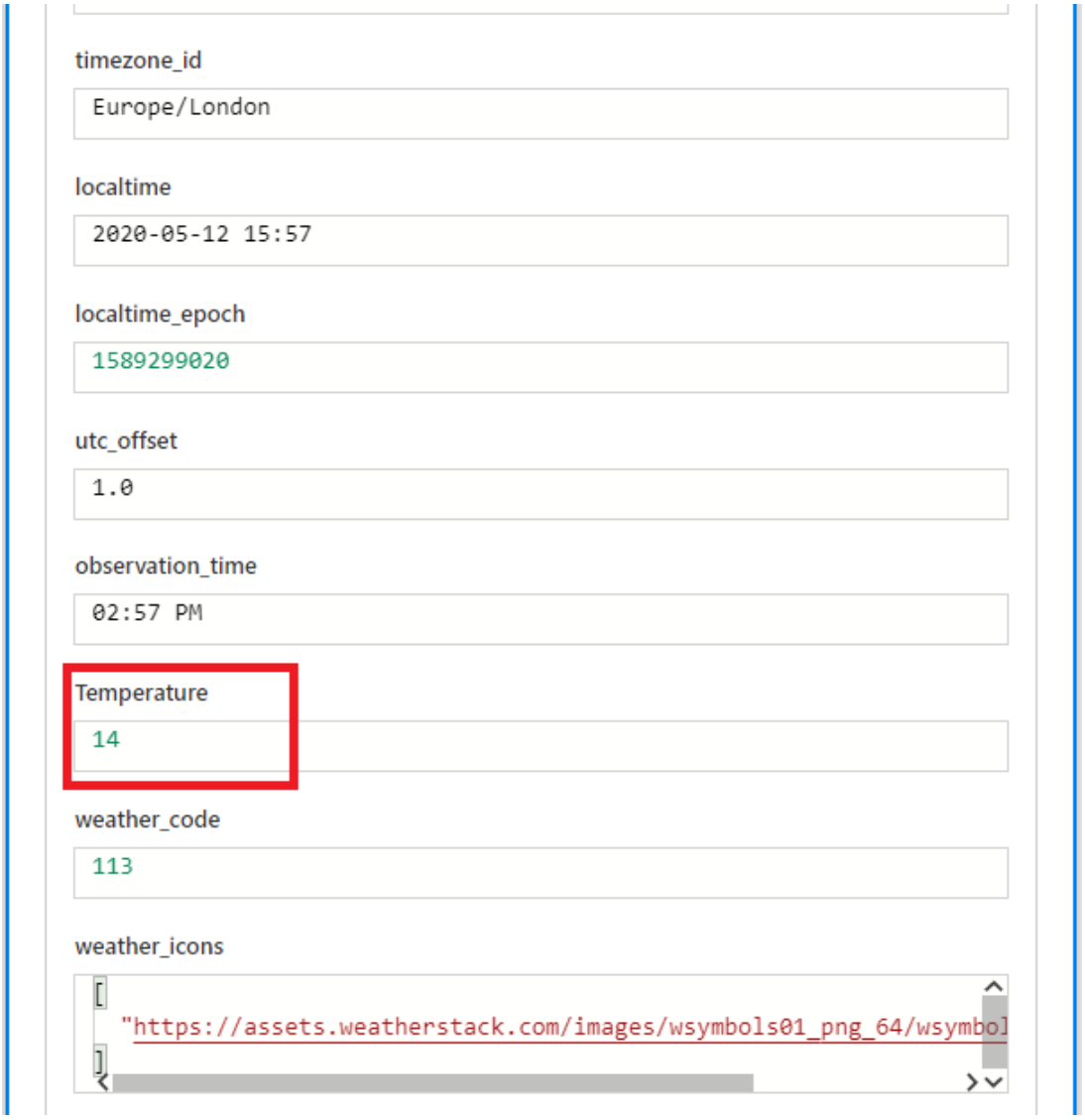
32. Select the **Get Weather** action



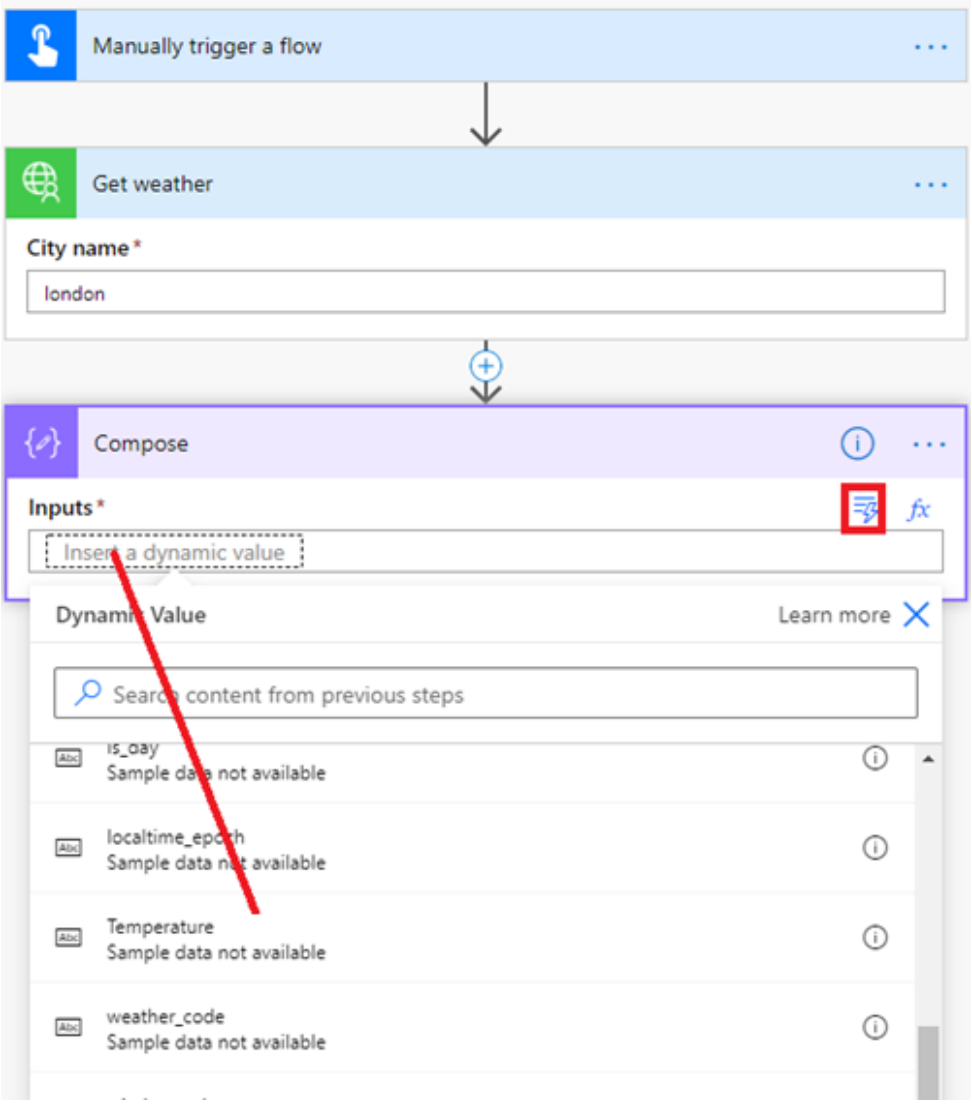
33. Provide London as the city name and save your Flow:



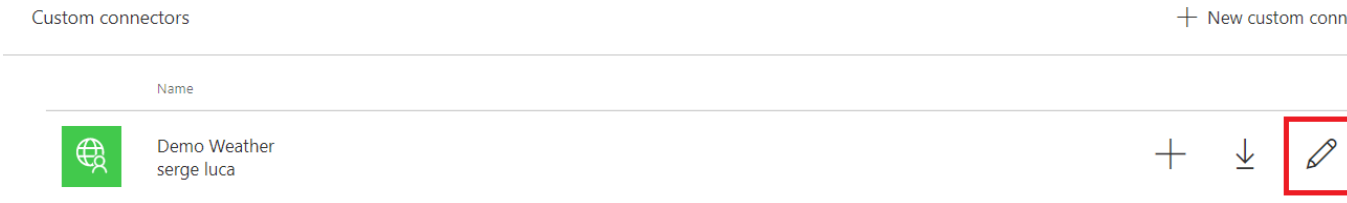
34. Run the Flow and check the output of “Get Weather”:



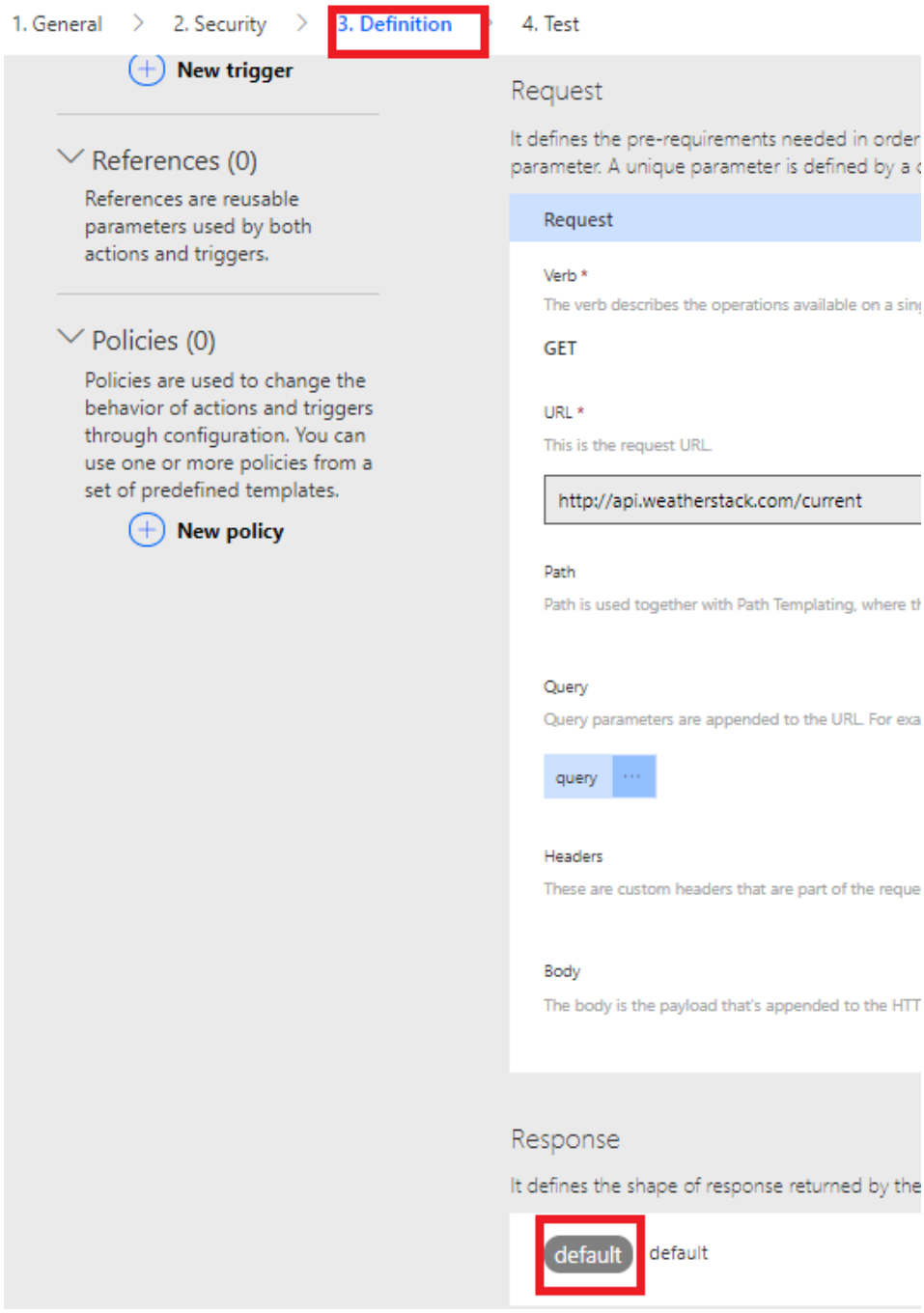
Add a **Compose** and store the **temp**erature value:



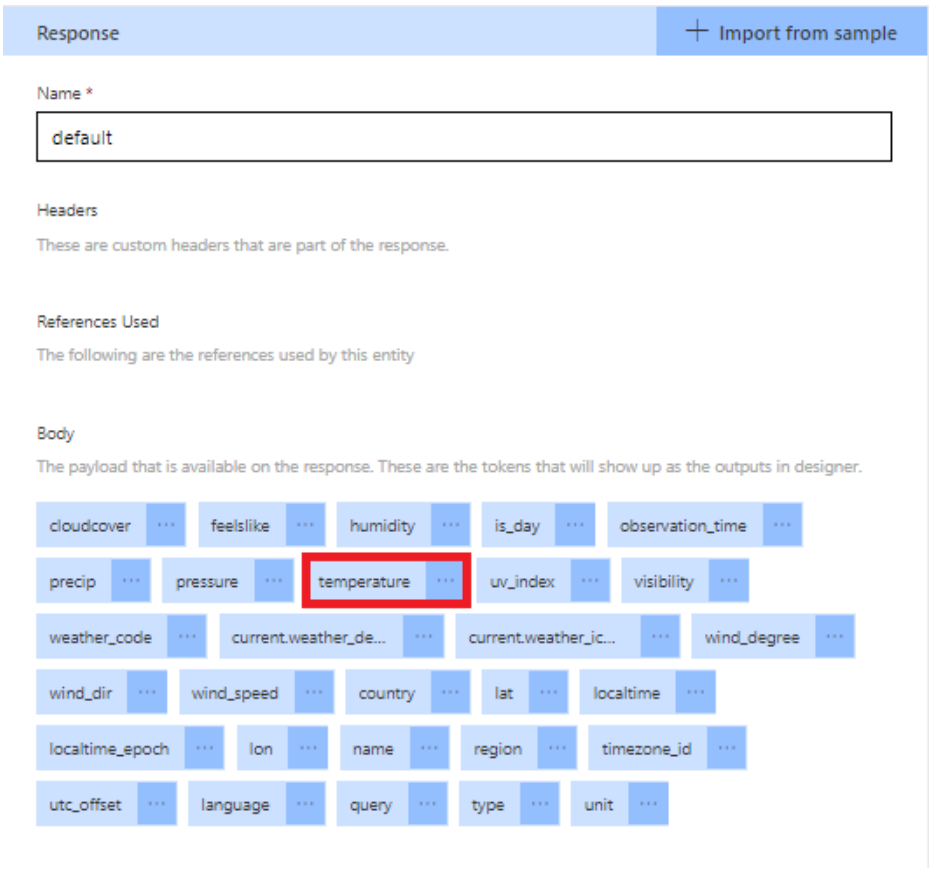
35. As you can see, using a custom connector is more convenient than using the HTTP action. However we can make it even easier to use for power users: for instance, instead of having to use the name **Temperature,** we can modify the custom connector definition with **temperature in Celcius**.
36. Go back to your custom connector definition and click the Edit icon:



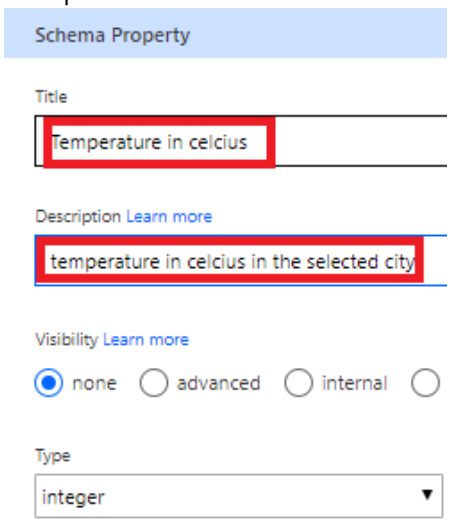
37. Go to Definition and click Default in Response:

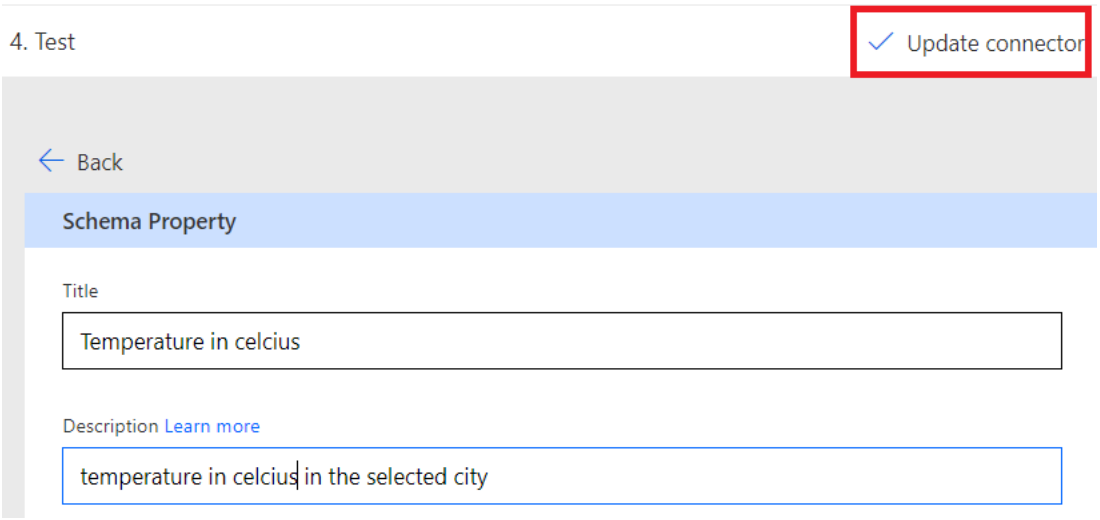


38. Edit temperature:

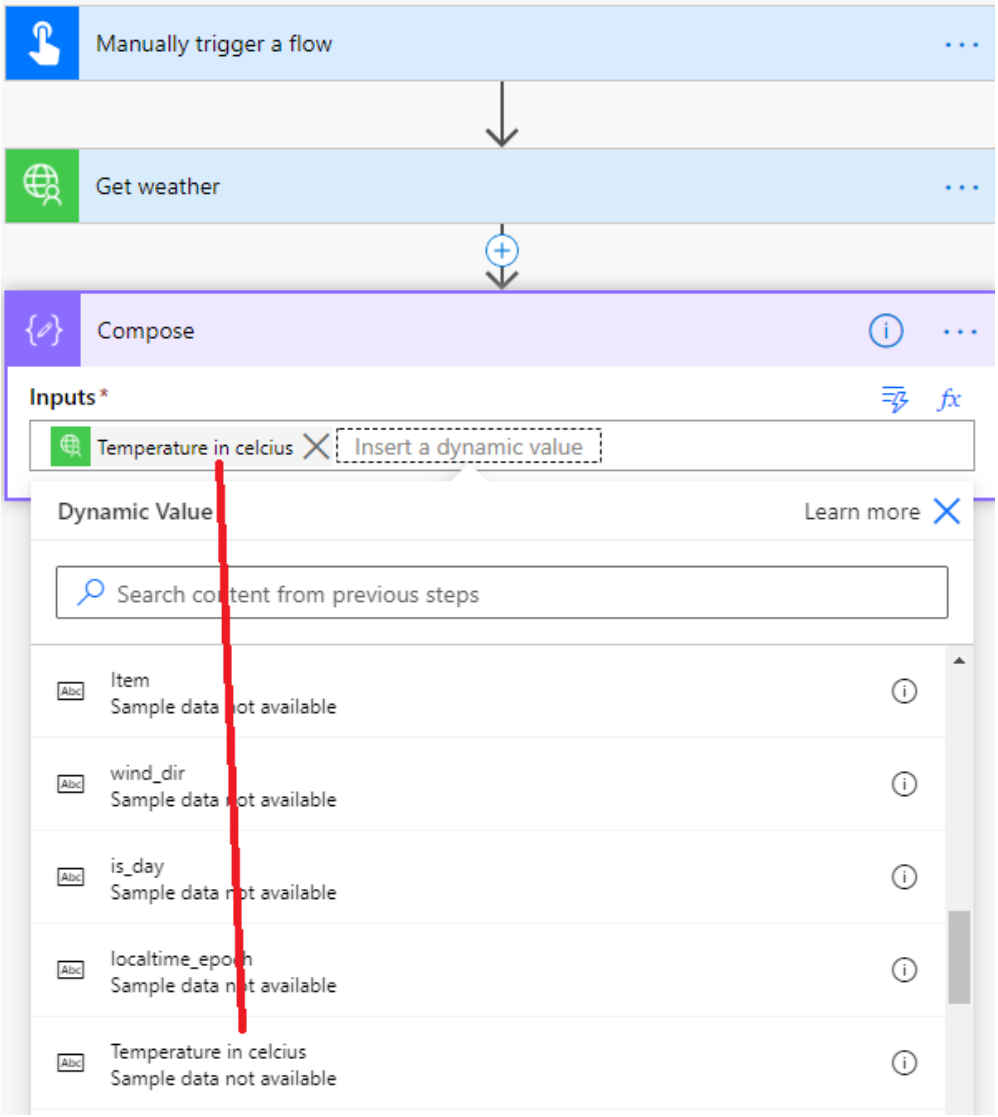


39. Change the Title and the description:





40. Update your Flow; you should see the new property label:


Manually trigger a flow
Get weather
Compose
Inputs *
Temperature in celcius
Insert a dynamic value
Dynamic Value
Learn more
Search content from previous steps
Item
Sample data not available
wind_dir
Sample data not available
is_day
Sample data not available
localtime_epoch
Sample data not available
Temperature in celcius
Sample data not available