



Lab 9. Call an external API from Power Automate  
with the HTTP action

## Lab 9. Call an external API from Power Automate with the HTTP action

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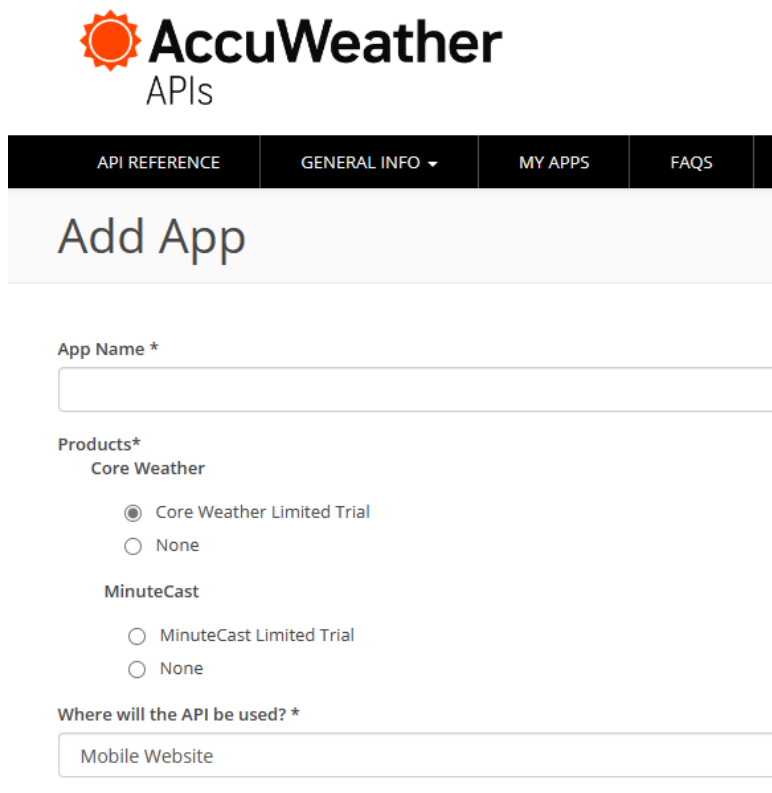
**Learning objective:** call an external REST API from Flow

**Duration:** 15 minutes

**Prerequisites:** This exercise aims to call the AccuWeather API to get the weather in a specific city.

### Tasks:

1. Go to the site <https://developer.accuweather.com/> and register for a free account; log in with your account and create a new App – select the **Core Weather Limited Trial** product:



The screenshot shows the 'Add App' form on the AccuWeather APIs website. The form includes a navigation bar with links for API REFERENCE, GENERAL INFO, MY APPS, and FAQs. The main heading is 'Add App'. Below this, there are three sections: 'App Name \*' with a text input field, 'Products\*' with two groups of radio buttons, and 'Where will the API be used? \*' with a dropdown menu. The 'Core Weather' group has 'Core Weather Limited Trial' selected. The 'MinuteCast' group has 'None' selected. The 'Where will the API be used?' dropdown is set to 'Mobile Website'.

API REFERENCE	GENERAL INFO ▾	MY APPS	FAQS
Add App			
App Name *			
Products*			
Core Weather			
<input checked="" type="radio"/> Core Weather Limited Trial			
<input type="radio"/> None			
MinuteCast			
<input type="radio"/> MinuteCast Limited Trial			
<input type="radio"/> None			
Where will the API be used? *			
Mobile Website			

An API key will be generated and associated with your flow:

new

Power Automate in a day

Keys

Products

Details

Analytics

Edit "Power Automate in a day"

Delete "Power Automate in a day"

Power Automate in a day's Keys

The key below can be used to access the API products associated with this application.

API Key

[REDACTED]

Key Issued

Sun, 02/19/2023 - 08:22

- `http://dataservice.accuweather.com/locations/v1/search?q=brussels&apikey=<yourapikey>`**

Several locations in the world are called Brussels. Select the one in **Belgium**, and copy the key:

Create a **Power Automate** instant flow;  
add the **HTTP** action and provide the following values:

Manually trigger a flow

HTTP

\* Method: GET

\* URI: <http://dataservice.accuweather.com/currentconditions/v1/27581>

Headers:

test	555
Enter key	Enter value

Queries:

apikey	YrbpfOiWYasjqREjxSooqbS6kWSnRcgE
details	false
Enter key	Enter value

Body: Enter request content

Cookie: Enter HTTP cookie

Show advanced options

- The **method** must be **GET**
- The **URI**: <http://dataservice.accuweather.com/currentconditions/v1/27581>
- In Queries:

**apikey** : <your apikey>

**details**: false

5. Save and run the flow. The result value (in the body of the HTTP action looks like this:

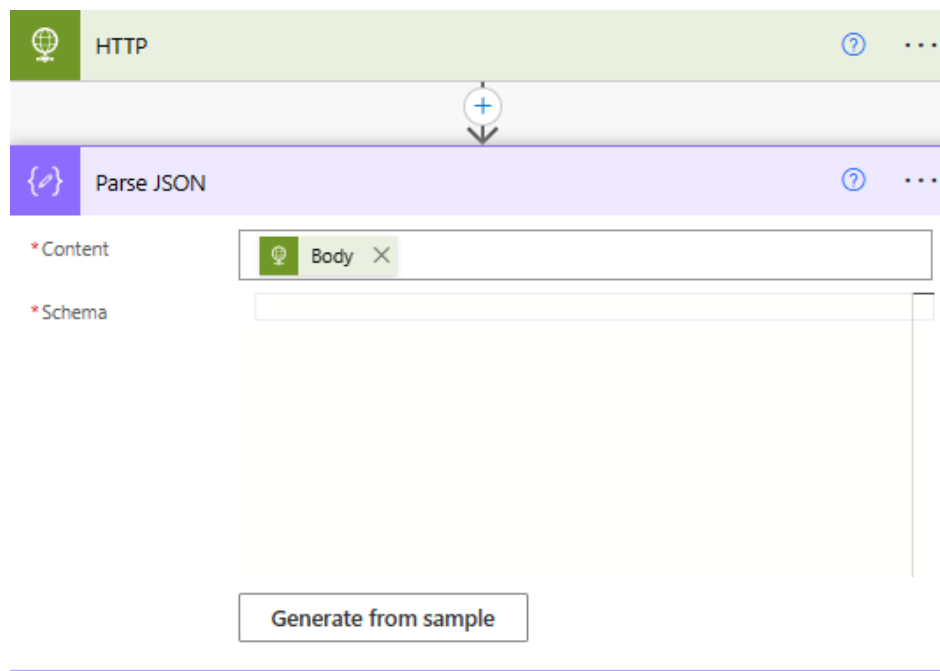
```
[
{
  "LocalObservationDateTime": "2023-02-19T10:22:00+01:00",
  "EpochTime": 1676798520,
  "WeatherText": "Mostly cloudy",
  "WeatherIcon": 6,
  "HasPrecipitation": false,
  "PrecipitationType": null,
  "IsDayTime": true,
  "Temperature": {
    "Metric": {
      "Value": 9.4,
      "Unit": "C",
      "UnitType": 17
    }
  }
}
```

```

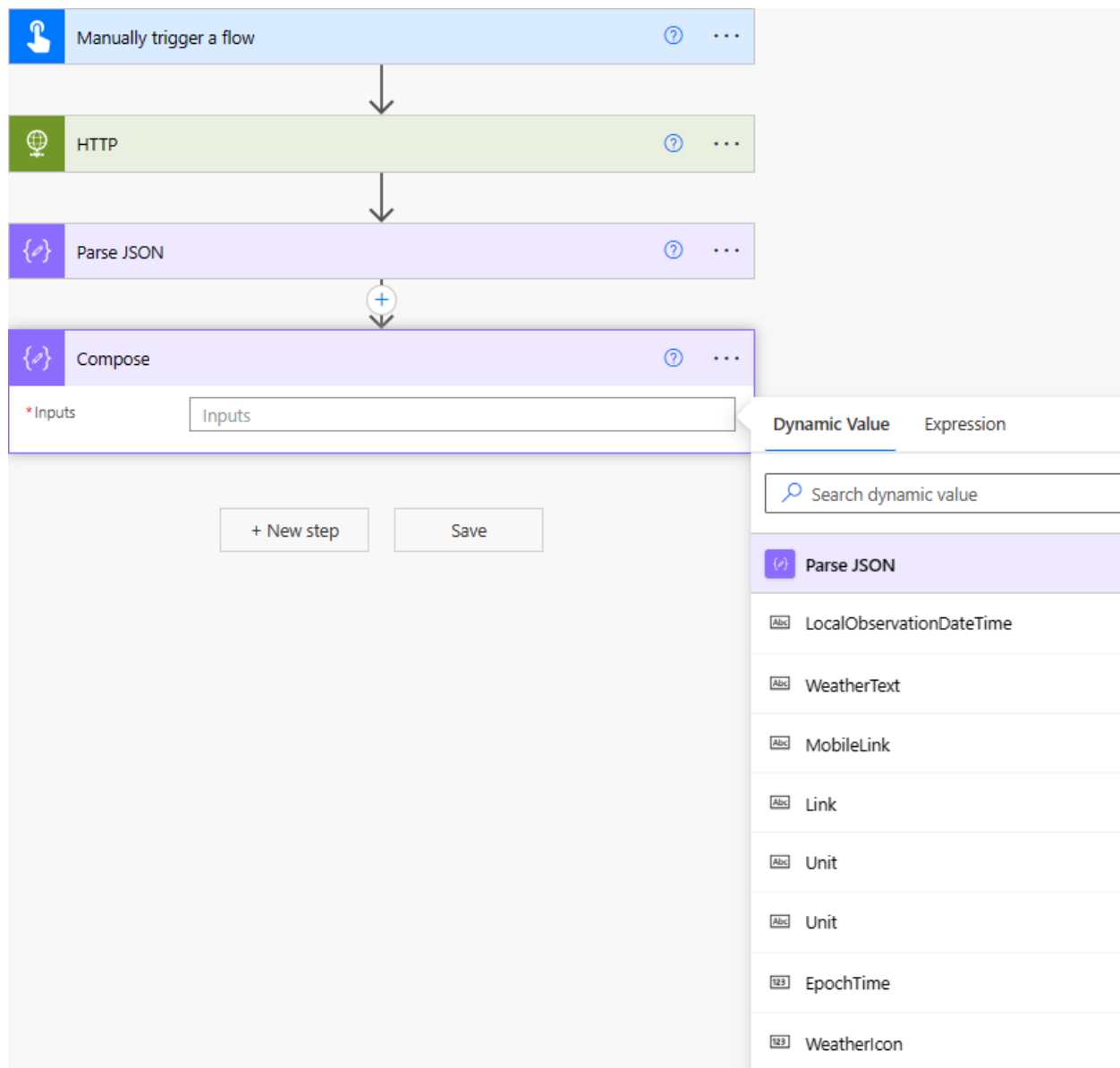
    },
    "Imperial": {
      "Value": 49,
      "Unit": "F",
      "UnitType": 18
    }
  },
  "MobileLink": "http://www.accuweather.com/en/be/brussels/27581/current-weather/27581?lang=en-us",
  "Link": "http://www.accuweather.com/en/be/brussels/27581/current-weather/27581?lang=en-us"
}
]

```

6. Copy the return value of the HTTP action into your clipboard.
7. After the HTTP action, add a **Parse JSON** action and connect the Content property to the body of the HTTP action:



8. Click **Generate from sample**, paste the content from your clipboard and click **Done**.
9. Add a compose and bring it the Dynamic value of Parse JSON:



This is a straightforward way to retrieve value from a complex JSON.

However, using the HTTP complex can still be error-prone. Therefore, we will encapsulate the HTTP call into a custom connector in the next lab.