Configuration Zapier Custom App

**Step 1. Setup Authorization**

Connecting an app to Zapier starts with authentication. Users select an app they wish to use in their Zap, authenticating their account with that app to allow Zapier to access their data.

Zapier will have access to the account until the authorization expires, is revoked, or credentials are changed. Zapier will automatically refresh OAuth v2 and session authentications when refresh token functionality is enabled in the integration.

**Zapier Supported Authentication Schemes**

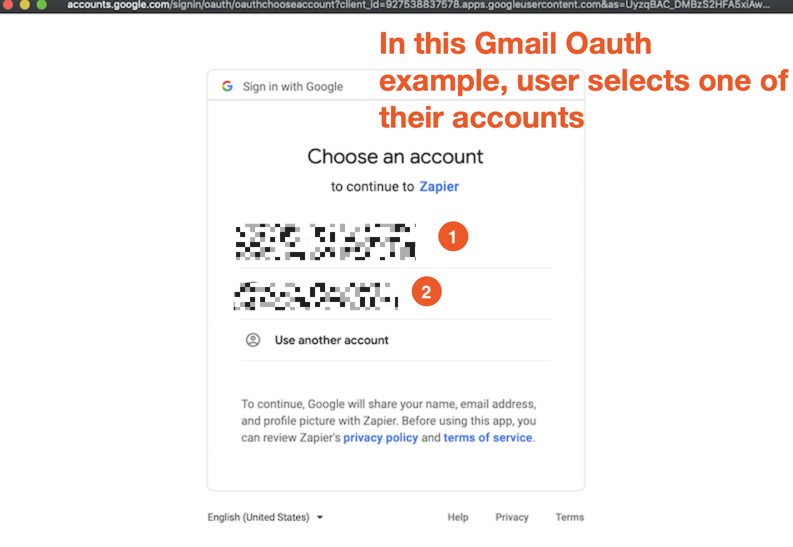
Zapier supports the following five authentication schemes in the Platform UI, each with their own settings:

* [API Key](https://platform.zapier.com/build/apikeyauth)
* [OAuth v2](https://platform.zapier.com/build/oauth)
* [Session Auth](https://platform.zapier.com/build/sessionauth)
* [Basic Auth](https://platform.zapier.com/build/basicauth)
* [Digest Auth](https://platform.zapier.com/build/digestauth)

**Setup OAuth V2**

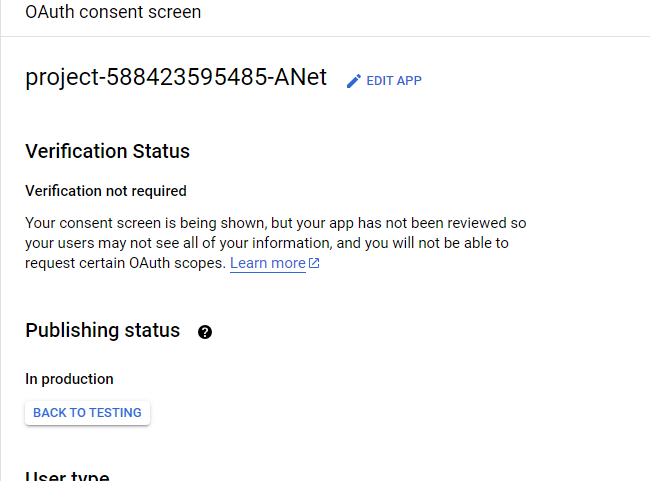
**Add authentication with OAuth v2**

OAuth v2 authentication matches in appearance the login process users expect from most modern apps. The user interaction with authenticating Zapier typically takes place in full on the app’s own site, helping users easily connect accounts without needing to share account credentials or look up API keys.



To First Setup OAuth v2 we need to create One Project under one Application go to

<https://console.cloud.google.com/apis/dashboard>? And create one project under one Application, create one if you do not have any.



Now Go to Credentials and create one **OAuth 2.0 Client IDs** once credentials are created you will get All the details for configuring OAuth in Zapier

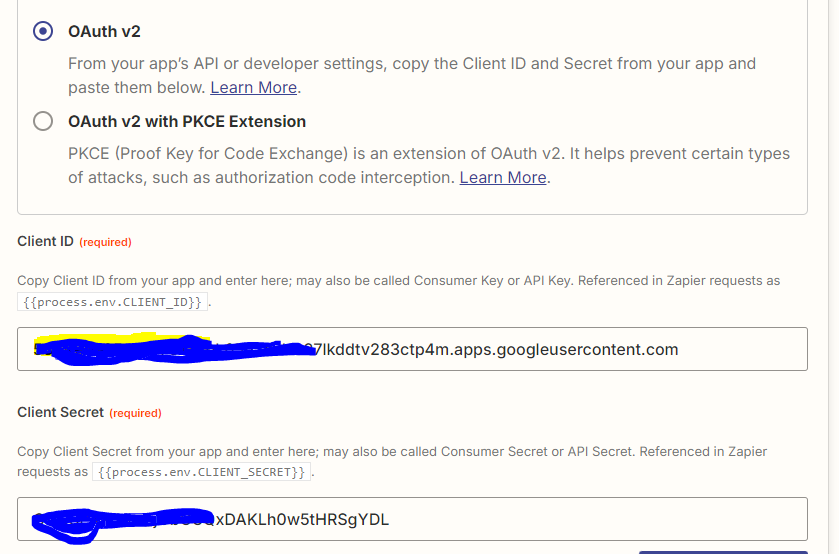
The required properties that are needed for OAuth in Zapier are

**client\_id ,** **auth\_uri,** **token\_uri,** **client\_secret**

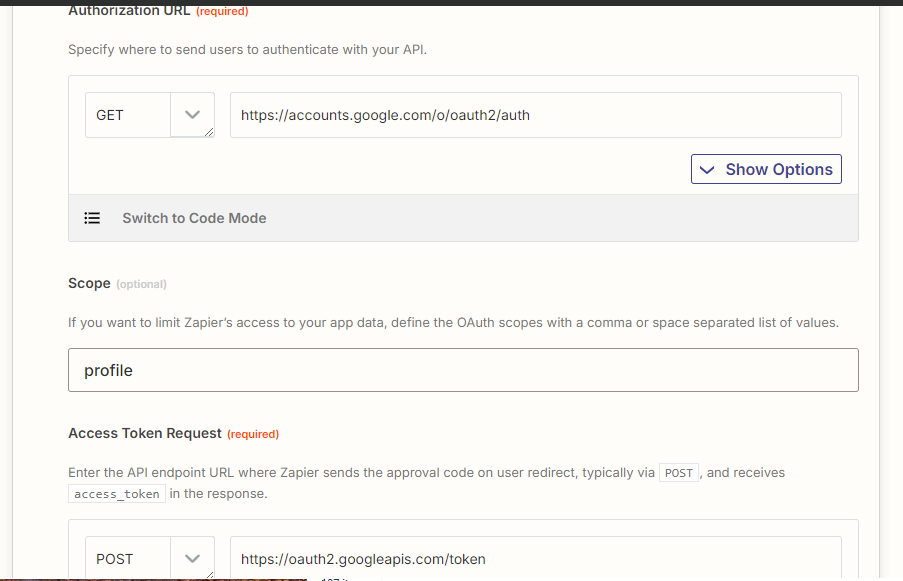
Note - Redirect URL you should be getting from Zapier while configuring OAuth, same should be placed in google OAuth redirect URL before generating OAuth credentials.

Now once you have everything ready,

go to <https://developer.zapier.com/app/212186/version/1.0.0/authentication/edit>

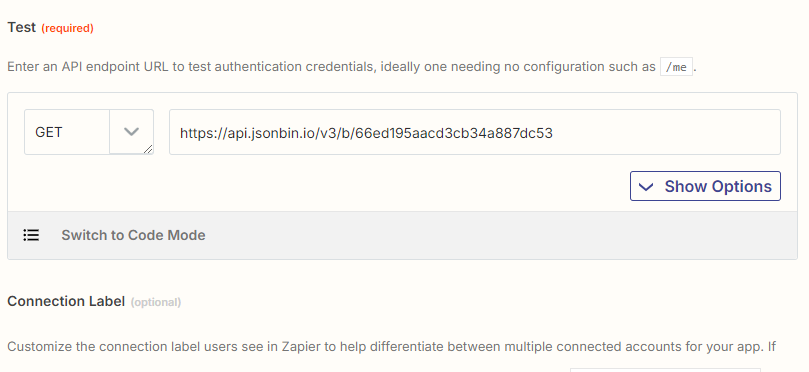
Input All the required details in Zapier

Enter Authorization URL and Access Token Request URL that you got from google console

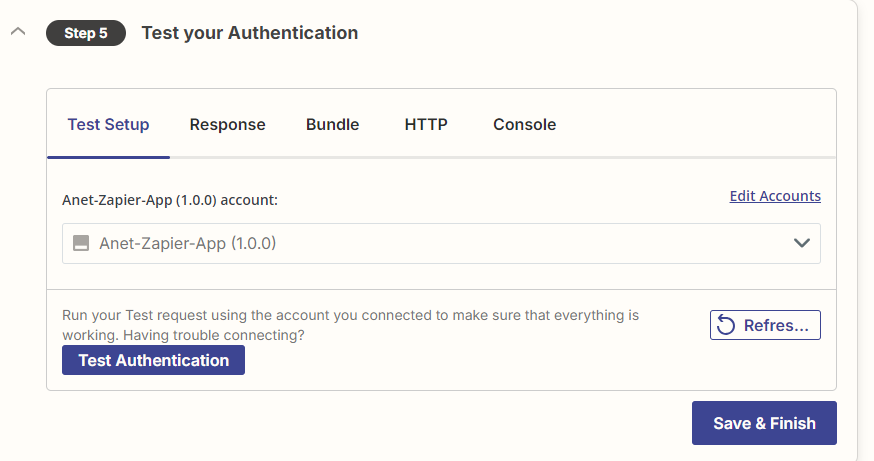


Save your changes and OAuth and test your OAuth Setup If everything is setup properly and tested save all your changes.

To Setup Complete Authorization you also need to setup Test API once that API is successful your authorization is setup completely



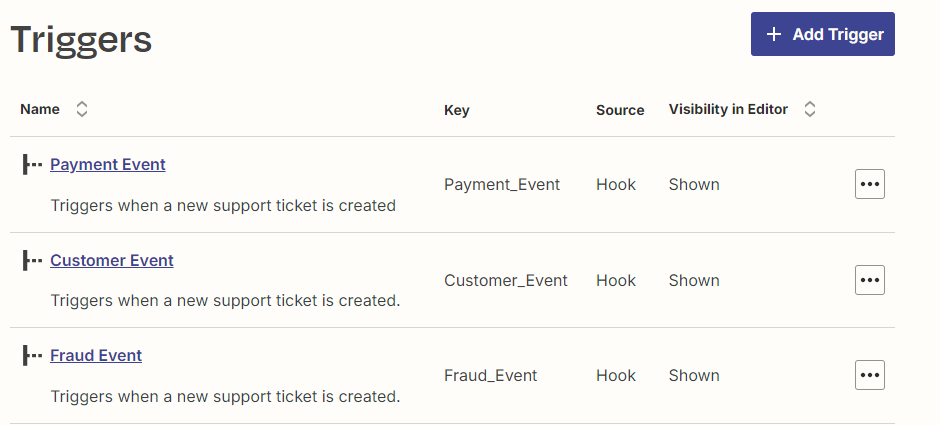
And then you can test your Authentication



Step 2: Triggers

As you know Zapier works on a concept of trigger and action so second step would be to create Triggers

Every Zap has a single trigger. Triggers are how your app’s users can start automated workflows whenever an item is added or updated in your app. New or updated contacts, database records, blog posts, subscribers, form entries and project tasks, are examples of items that can be used to trigger a Zap.

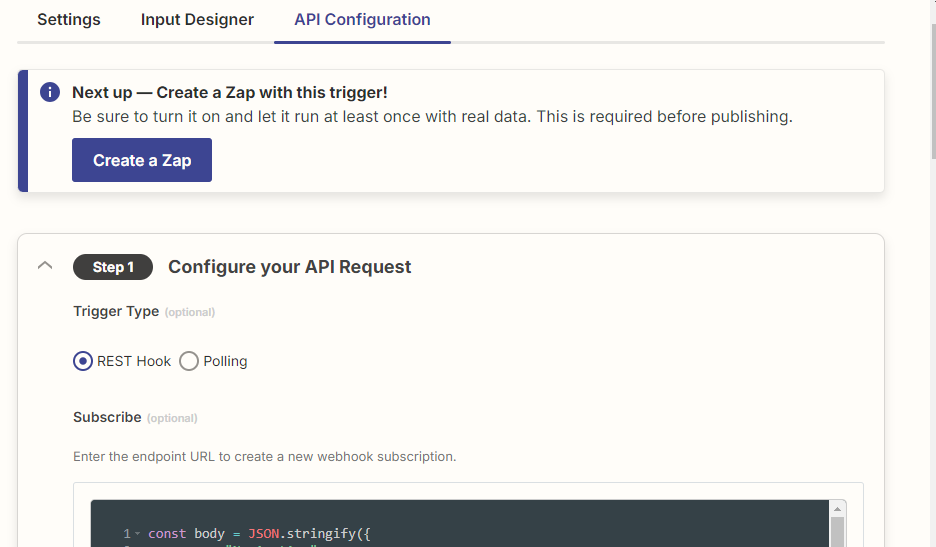
**To create Trigger, click on Add Trigger Button** 

Now you can see I have created three triggers I will show the detail on how payment trigger got created as one of the examples

You first need to fill all the information needed in settings tab like key, name, noun, description

Go to Api configuration TAB inside this API configuration TAB

**You need to select Rest Hook**



Now here you need to put your Application subscribe webhook service, when ever This Anet-zapier\_App will be created as a zap it will be generating one webhook URL and subscribing through subscribe API

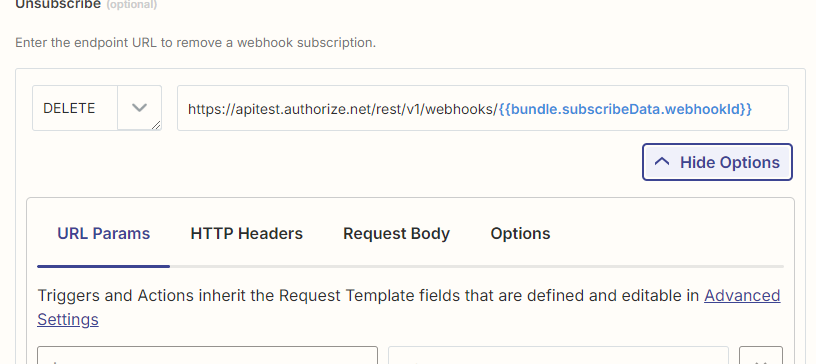
<https://developer.authorize.net/api/reference/features/webhooks.html> All the subscribe , unsubscribe API’s are available here

Now here I have used a java script code to send http request to ANET - API web hook service to register Zapier provided URL

const body = JSON.stringify({  
 name: "NewAnetApp",  
 url: bundle.targetUrl,  
 eventTypes: [  
 "net.authorize.payment.authcapture.created",  
 "net.authorize.customer.created",  
 "net.authorize.customer.paymentProfile.created",  
 "net.authorize.customer.subscription.expiring"  
 ],  
 status: "inactive"  
});  
  
const options = {  
 url: 'https://apitest.authorize.net/rest/v1/webhooks',  
 method: 'POST',  
 headers: {  
 'Authorization': 'Basic NUtQM3U5NWJRcHY6MzQ2SFozMnozZlA0aFRHMg==',  
 'Content-Type': 'application/json',  
 'Accept': 'application/json'  
 },  
 params: {  
  
 },  
 body: body,  
 removeMissingValuesFrom: {  
 'body': false,  
 'params': false  
 },  
}  
  
return z.request(options)  
 .then((response) => {  
 const results = response.json;  
  
 // You can do any parsing you need for results here before returning them  
  
 return results;  
 });

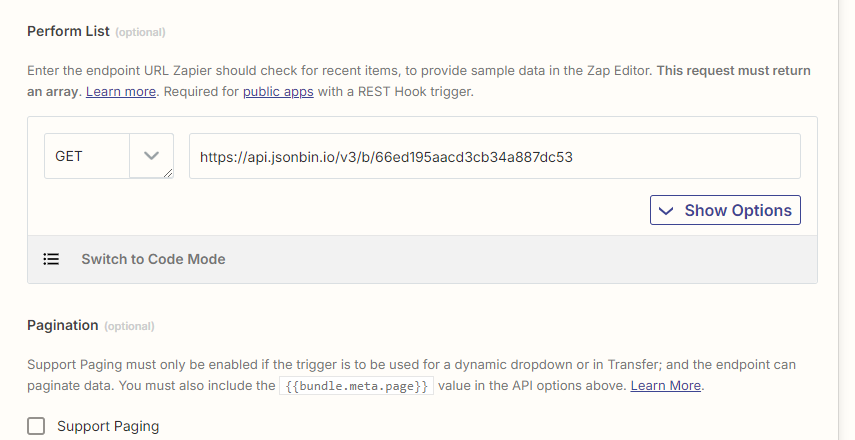
Now whenever the Zap is Deleted, we want to unsubscribe the Zapier URL from Anet webhook service

To configure that we need to configure unsubscribe API end point, so there is Anet delete webhook call is available



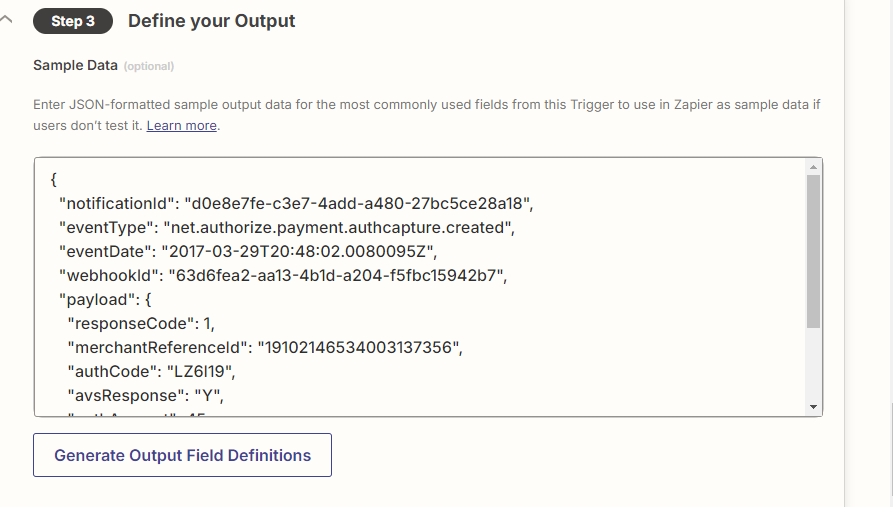
Using this API configure whenever the Zap is deleted it will be removing the Zapier webhook URL, what was configured when we create zap using Anet-Zapier-App

We also need to setup perform list with the API which will be returning some array, I used a simple dummy API to which returns an array I noticed if we do not configure it, Zapier will be registering to webhook URL’s In to Anet webhook system.



Now last step would be defining your output, that is expected output that this trigger is going to receive and perform action.

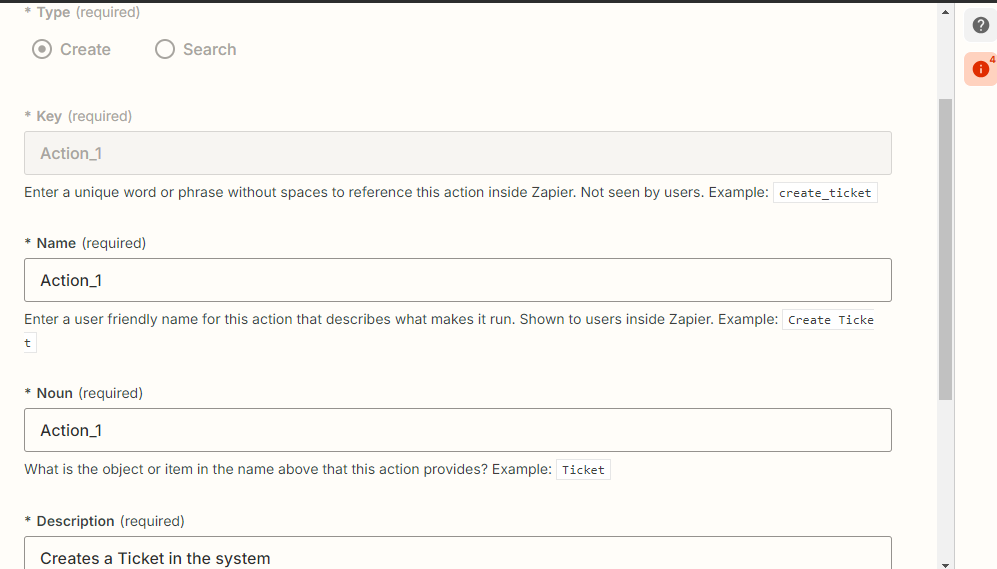
Any JSON data that is placed here can be used while creating action using this trigger, so it’s important to place the define output JSON data correct which will be expected output from trigger.



Step 3: Creating An Action (Optional)

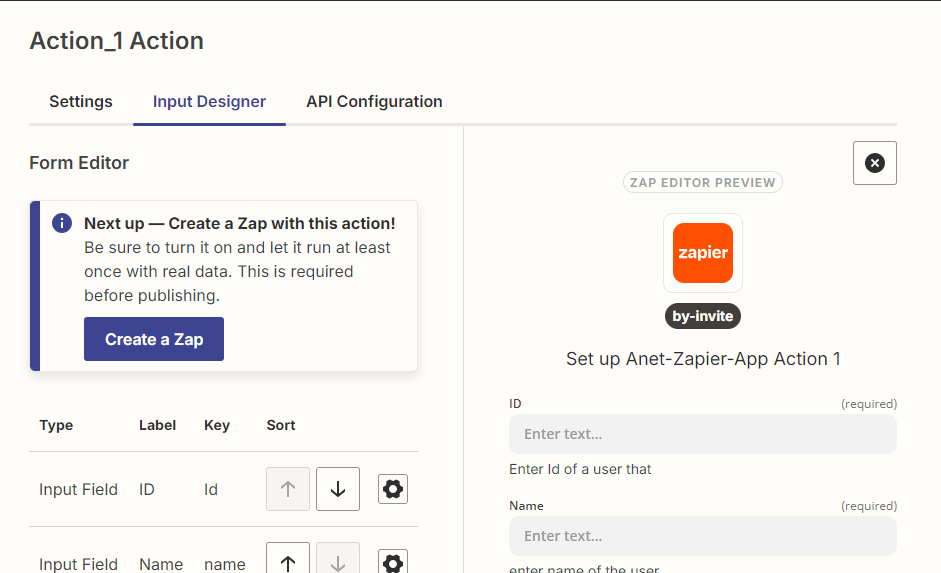
Open the *Actions* tab in Zapier’s Platform UI from the sidebar on the left, and select **Add Action**, selecting your action type. New actions are *creating* type by default, and they add new data or update existing data to your app.

To create Action, you need to fill all the similar details what is used for creating a trigger.



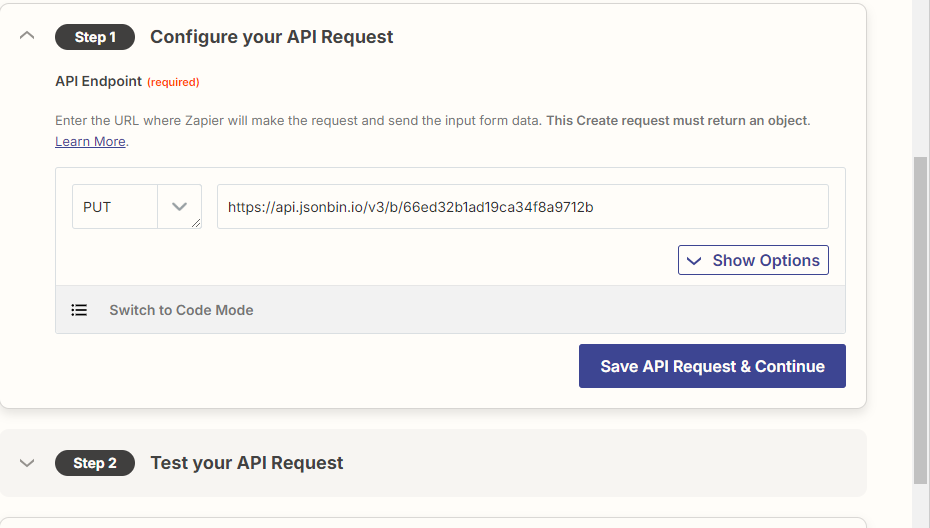
Action input is a way providing the input to your action for example you are adding id , name to your Api as parameter, from action input you can referenced from the linked source trigger to your API

Example shown below how can you configure action input



Here the ID and name params will be inputted from trigger to the action API call.

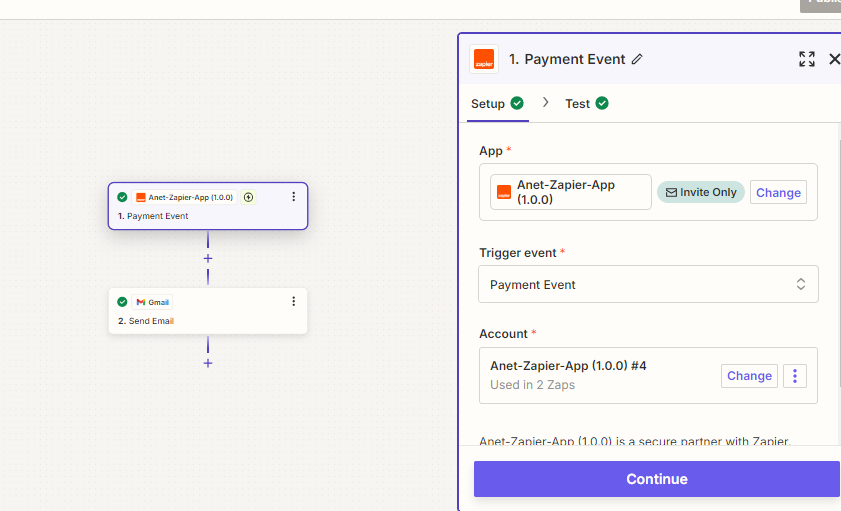
Now next Step is to configure API call, where I am taking that ID and name input as a parameter and calling a dummy API mentioned below in the screen shot.



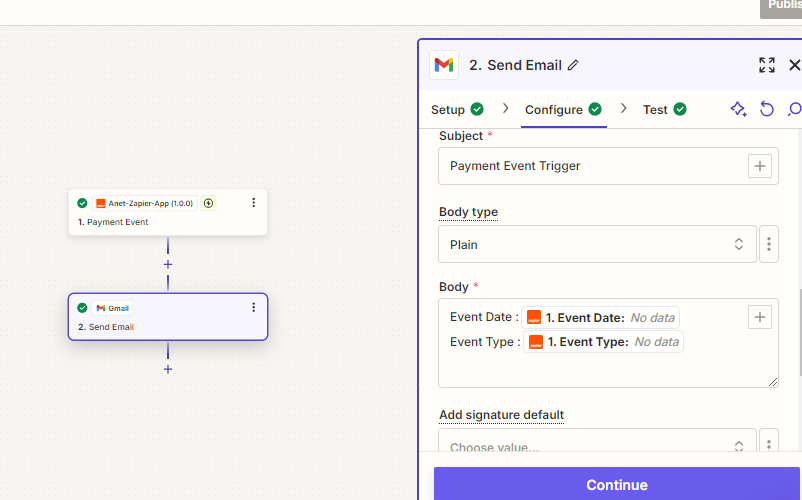
Also, you can define your expected Api response here how we declared in trigger part.

Creating a zap

Now for creating a zap you can choose Aner-Zapier-app as a trigger and trigger event as one of the available trigger events i.e. Payment response etc.



You can choose available action from zap here I choose Gmail, which will be sending email once App is triggered, here you can see what ever fields available in the json output can be referenced here



Using API - <https://apitest.authorize.net/rest/v1/webhooks> you can check if the Zapier URL is registered or not.

Now to test this flow once the zap is published since my webhook is registered with Anet-webhook Api service I can test them with ping webhook Api available using the webhook Id which is created once zap is created.

Api Ref – <https://apitest.authorize.net/rest/v1/webhooks/4d30f6af-20cd-419b-80be-91025fe2a50e/pings>

Anet webhook Doc - <https://developer.authorize.net/api/reference/features/webhooks.html>

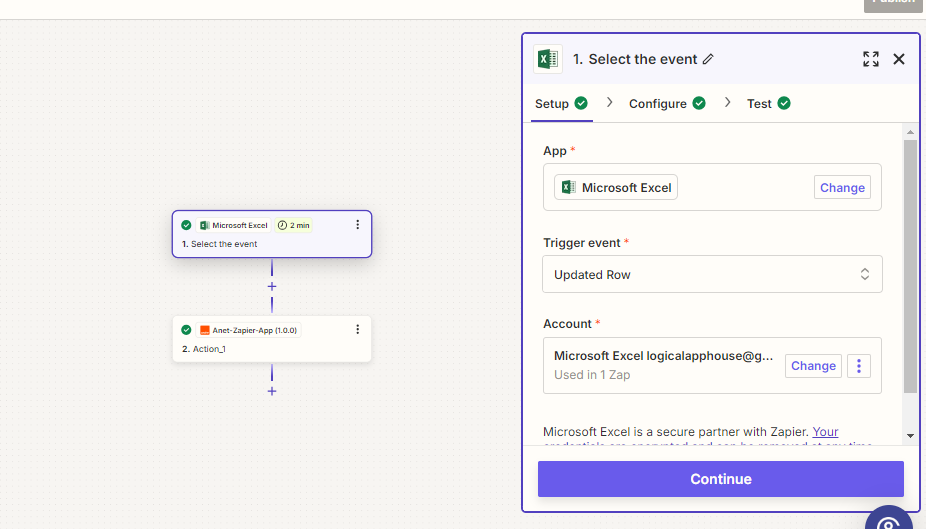
Here is the link used to create dummy API - <https://jsonbin.io/login>

Zapier Developer portal - <https://developer.zapier.com/>

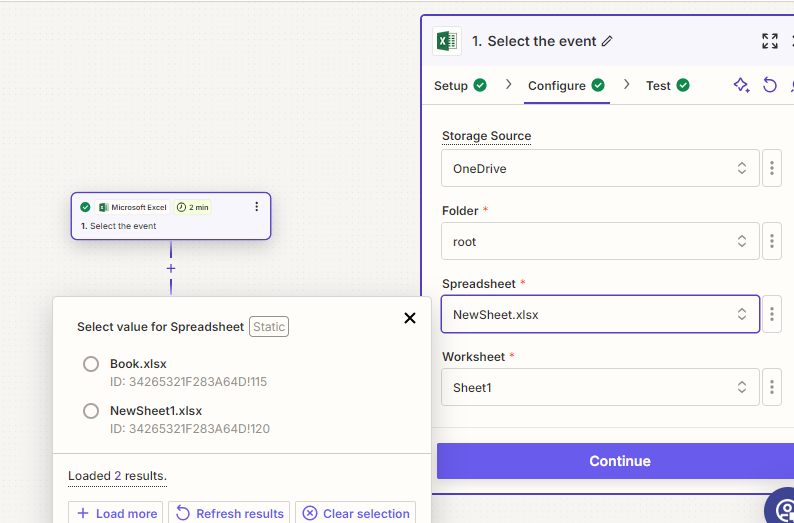
For creating Zap - <https://zapier.com/app/zaps>

Creating ZAP with Microsoft excel and using Anet-Zapier-app action

1. Choose Microsoft excel App as a trigger.
2. Link your Microsoft account here in the trigger, it will have different trigger event choose from the available drop down as peer the need, I selected updated row whenever there is an addition or update in the rows this event should be triggered.



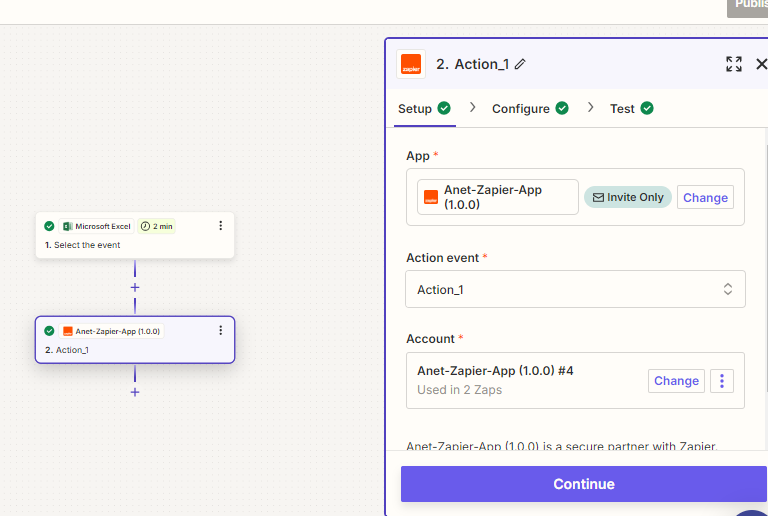
3.Now once you login to your account and able to link go to configure tab all the available sheet will populate if it does not populate create a new excel sheet, login to your Microsoft account and create one new Excel sheet, once that is created you will be able to see all the available files in the spreadsheet and worksheet drop down menu items.



4.Select one of the available options and save everything.

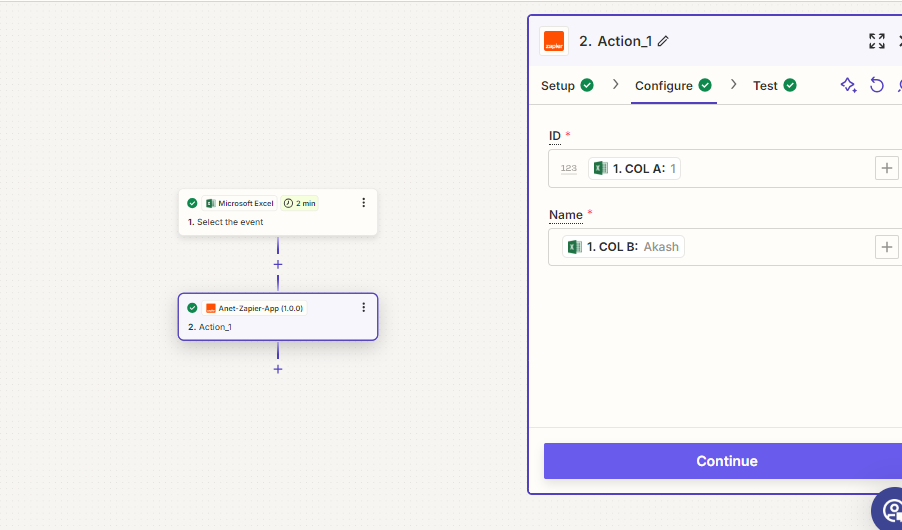
4.Choose an action, I selected Anet-Zapier-App as action and Action\_1 as an action trigger

So whenever there is an update to Excel sheet that is going to call an action available in Anet-Zapier-app, which is nothing but using the inputted value from the excel sheet and inserting into API.



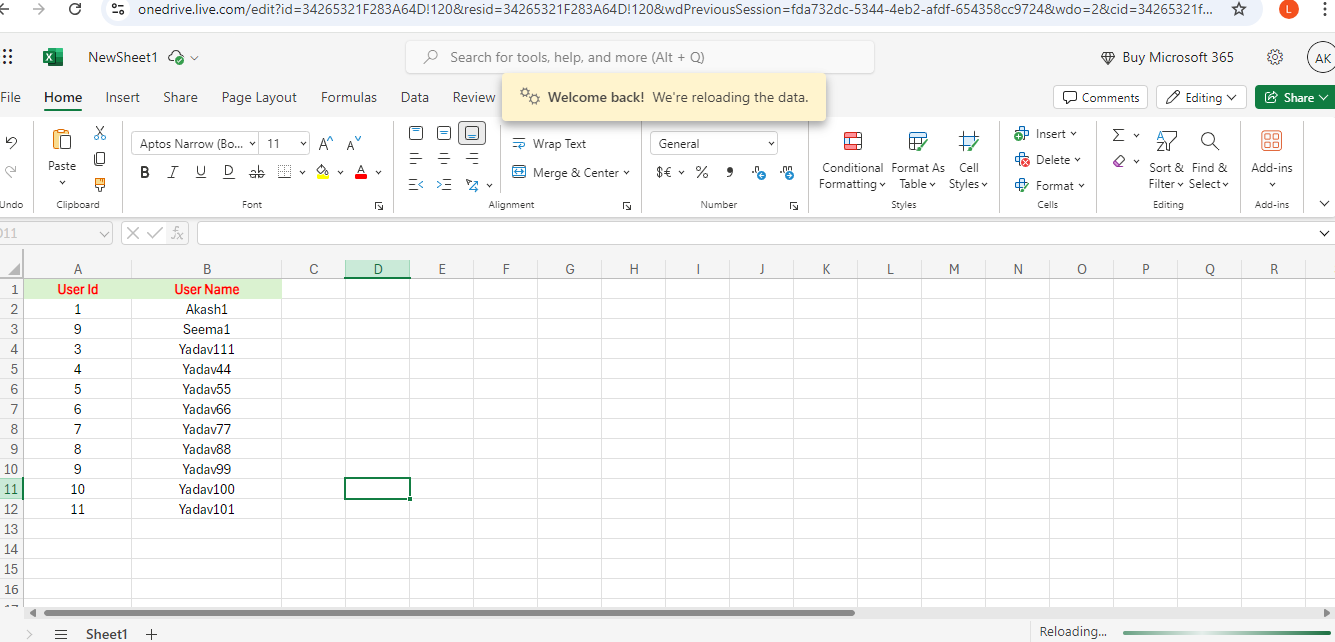
Here in the screen shot you can see the details.

5.Now here I have referenced column A and B as a input to my API as a params, that will be used calling the Api available in Anet-Zapier-App as an action.



Now you can save all the settings and start updating the sheet, that is using the inputted value and calling the API using those entered values in the sheet.

Here is the example of the excel sheet as a screen shot.



Once that is entered it will be calling an API after 3 minutes this trigger is not instant it will take around 3 minutes to perform this action.

In the screenshot below you can call the API and check the response to validate.

The Dummy Api call which returns response used

Here is the reference - <https://api.jsonbin.io/v3/b/66ed32b1ad19ca34f8a9712b>

Once that is triggered that is going to be inserted in the API.