Quick Start Instructions for using IFTTT.com with your Spike.

Overview:

What does it do? Having your Spike send alerts to IFTTT gives you flexibility in how your Spike can notify you if an alert condition occurs.

Here is the list of alerts your Spike can send:

1. Air temperature exceeds user define temperature.
2. Air temperature goes below user defined temperature.
3. Humidity exceeds user defined level.
4. Humidity goes below user defined level.
5. Soil moisture exceeds user defined level.
6. Soil moisture goes below user defined level.
7. Battery level goes below user defined level.

With the IFTTT connection, any of these Spike alerts can cause 100's of actions. Some example actions are:

- EMail sent to you for the alert
- Text message sent to you for the alert
- A phone call sent to you for the alert
- Water sprinkler gets turned on for the alert.
- The value for the alert written to a spreadsheet
- And many more ...

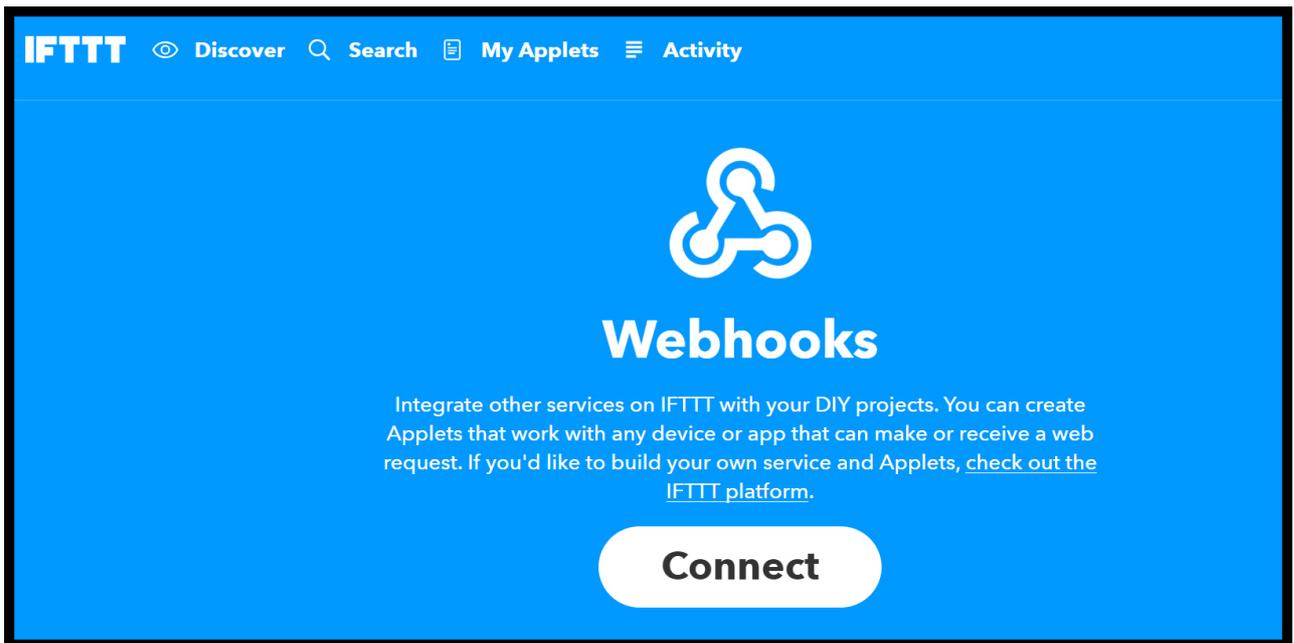## 1. Register for IFTTT.com account and connect the Webhooks service

1. First browse to www.IFTTT.com, and create an account.

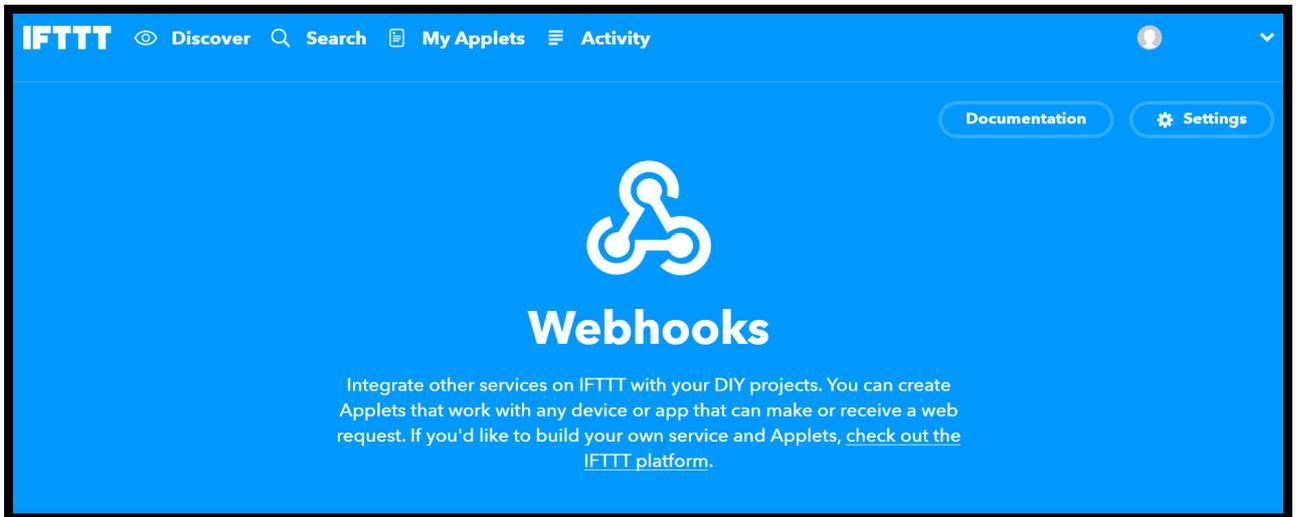2. Next, click on the search button, and type "Webhooks", see picure below.
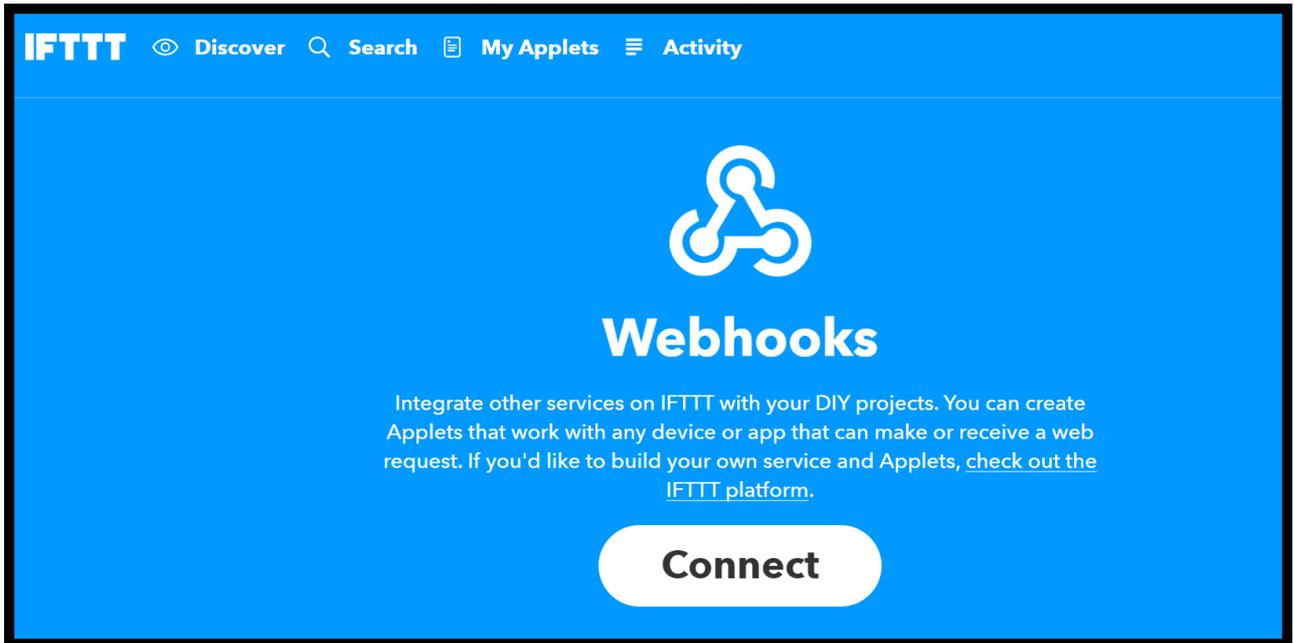
3. Click on the big blue Webhooks icon.

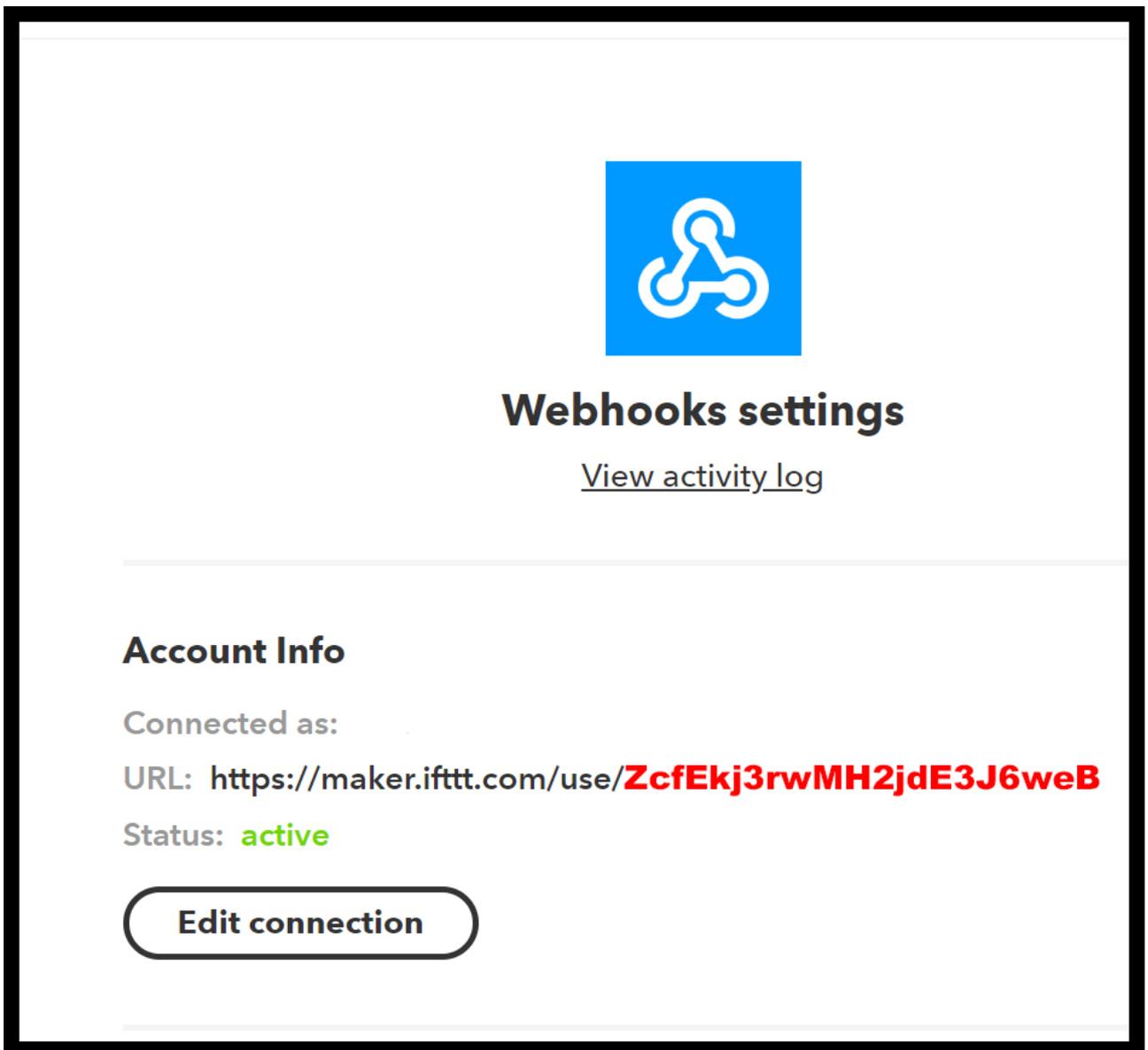4. You should now see a screen like the one below.

5. Now click on the "Connect" button.

6. You are now connected to the Webhooks service, now click on the "Settings" button in the top right part of the screen.
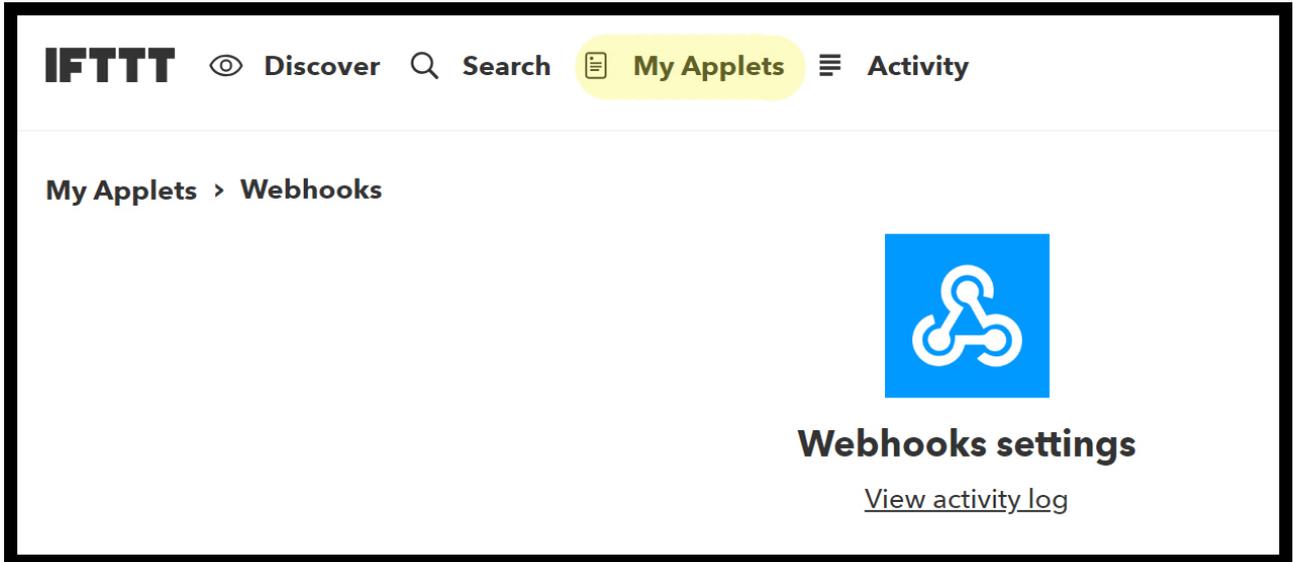
7. You should now see a screen like the one below.

8. Write down your unique key from this page, in the example above the key is in RED. We will call this your "Webhook ID"

2. Setup to send an email if soil moisture reported from your spike gets too low.
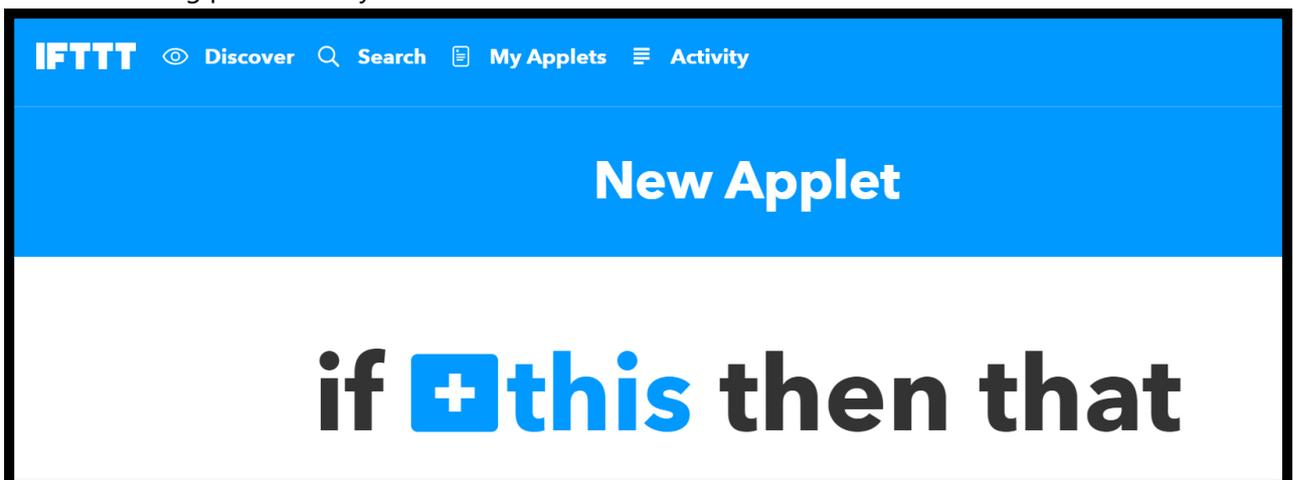
1. First click on the "My Applets" menu item, highlighted in picture below.

2. You will then be at the Applet creation page that looks like the one below. Click on the "New Applet" button on the right side of the screen.
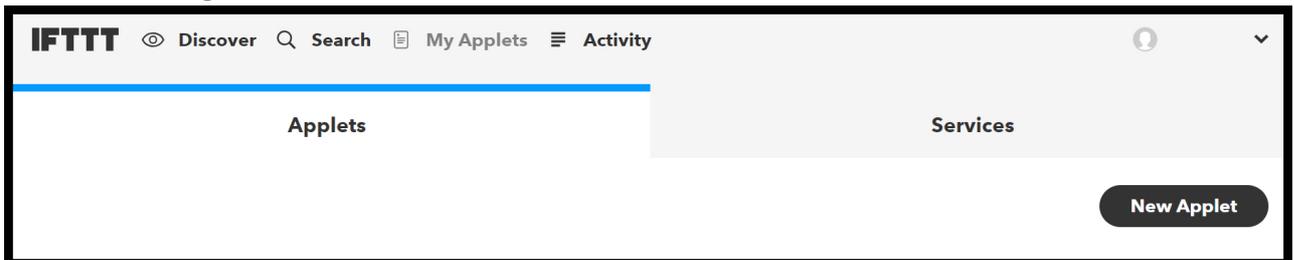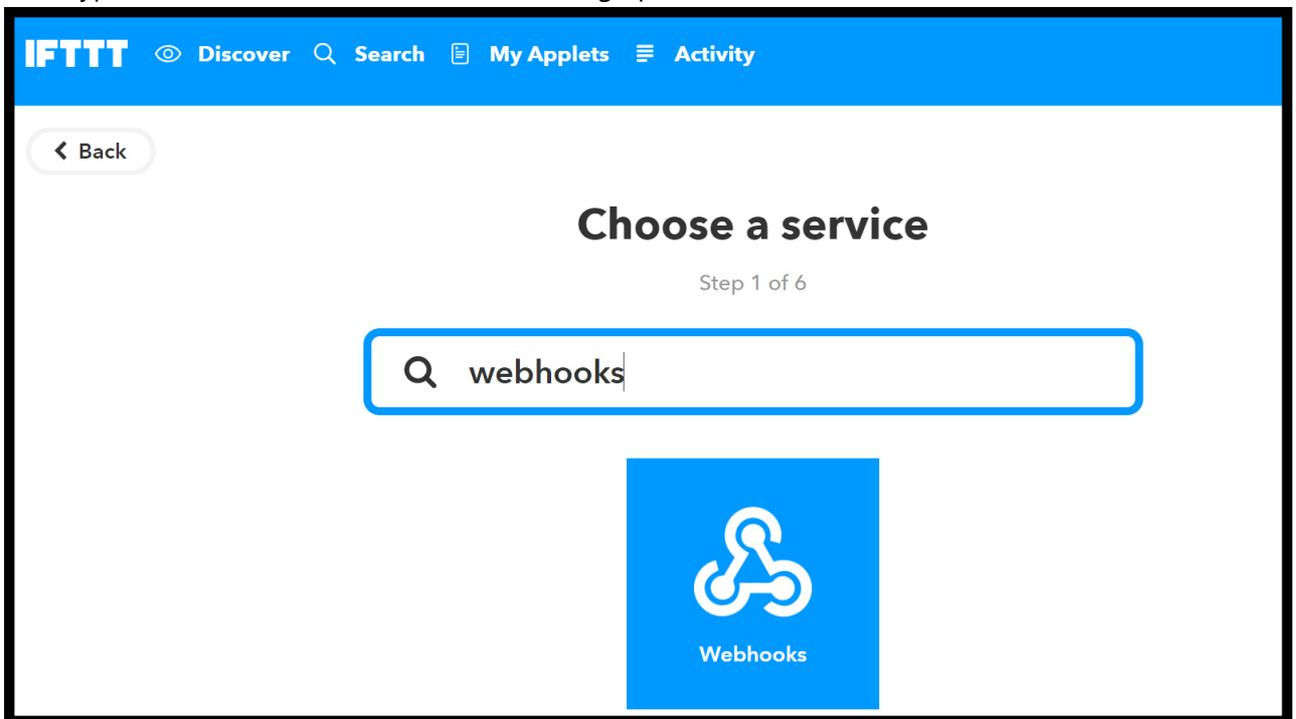

3. Now you will be on the New Applet page and it should look like the one below. Click on the blue word "This" in the big print that says "if this then that".

4. You will be at a screen that lets you select a service for the "this" or trigger part of your applet.
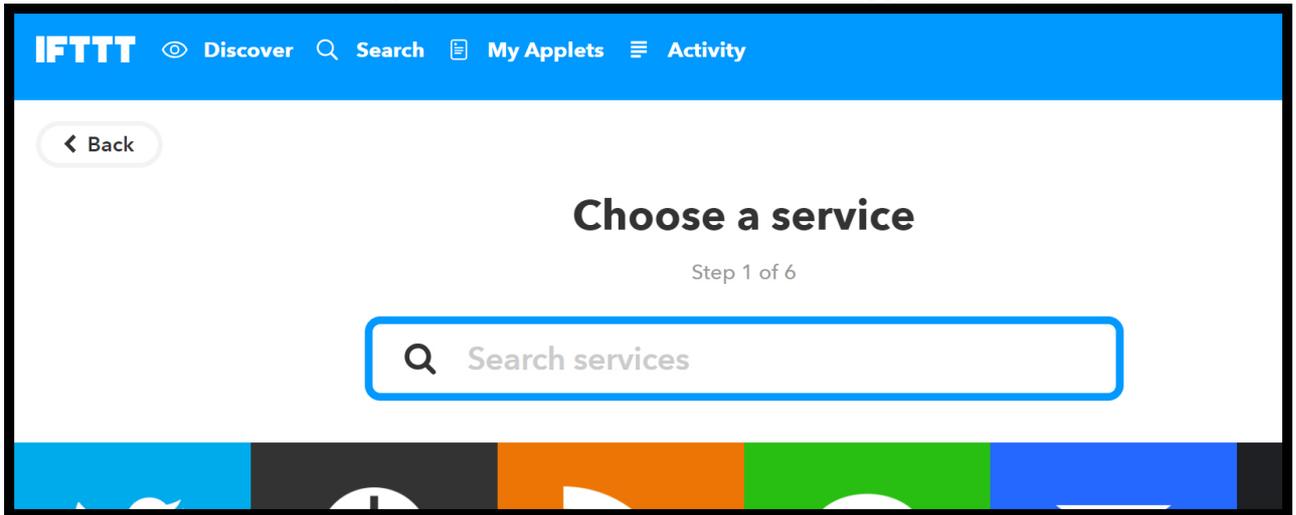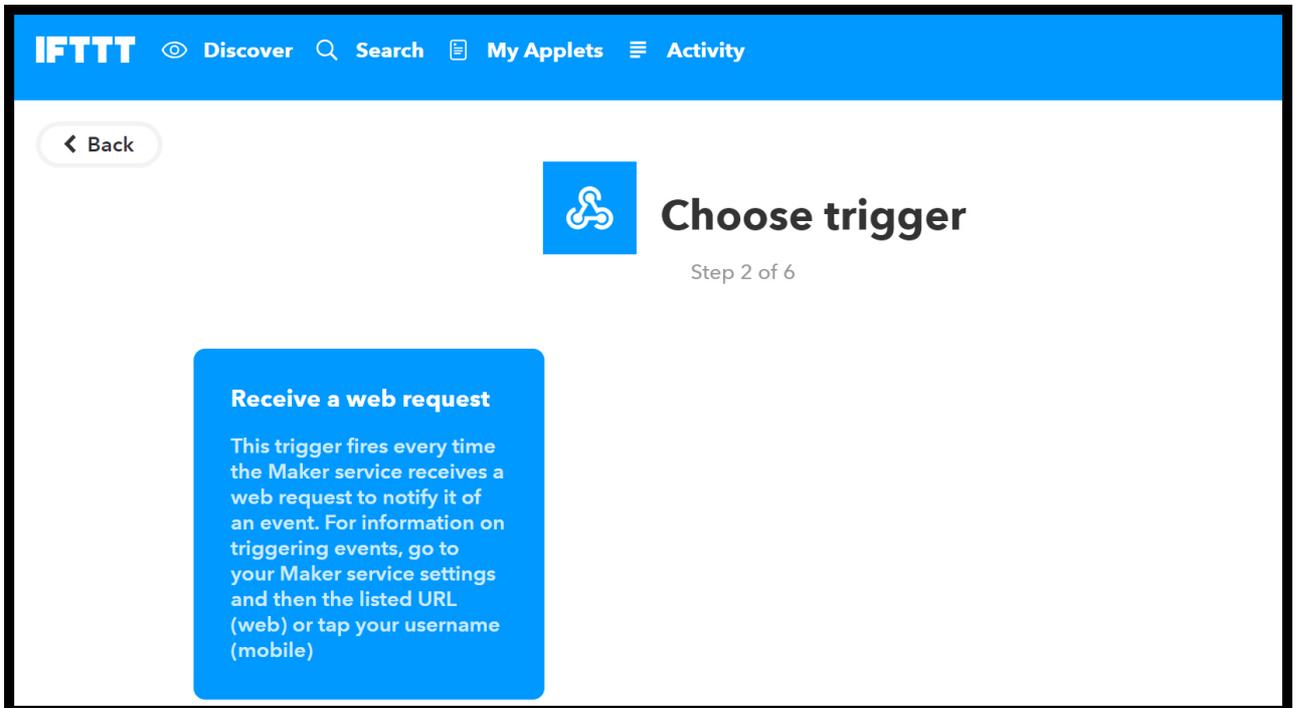

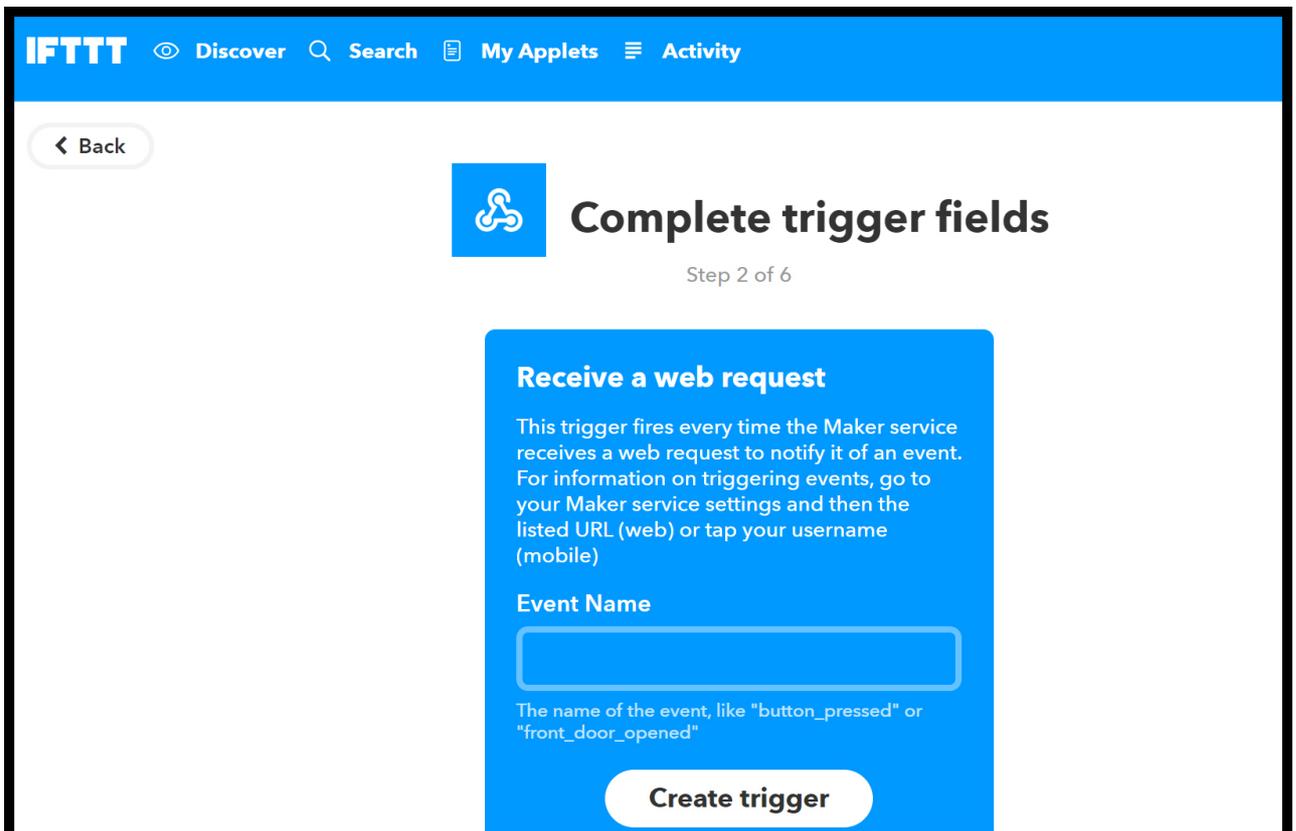5. Now type "webhooks" in the search area to bring up the Webhooks service like the screen below.

6. Now click on the Blue Webhooks box as seen in the screen above.
7. You will go to the screen that lets you select the trigger. Select "Receive a web request" in the blue box. See below.

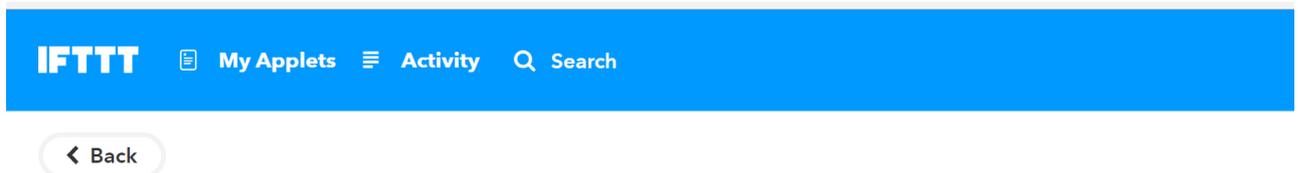8. You should come to a screen like the one below.

9. Now type in the name of the trigger that your spike will send as the trigger. These values are predefined and MUST be typed in exactly as they are in the list below. This means they are case sensitive. We want to use the **GSSoilLO** trigger in this example so type it in to the trigger box like the picture below. Click the "Create trigger" button.

   ○ **GSTempHI** - Sent if temperature goes above the user defined temperature value.
   ○ **GSTempLO** - Sent if temperature goes below the user defined temperature value.
   ○ **GSHumHI** - Sent if humidity goes above the user defined humidity value.
   ○ **GSHumLO** - Sent if humidity goes below the user defined humidity value.
   ○ **GSSoilHI** - Sent if soil moisture goes above the user defined moisture value.
   ○ **GSSoilLO** - Sent if soil moisture goes below the user defined moisture value.

○ **GSBattLO** - Sent if the battery level goes below the user defined battery level.
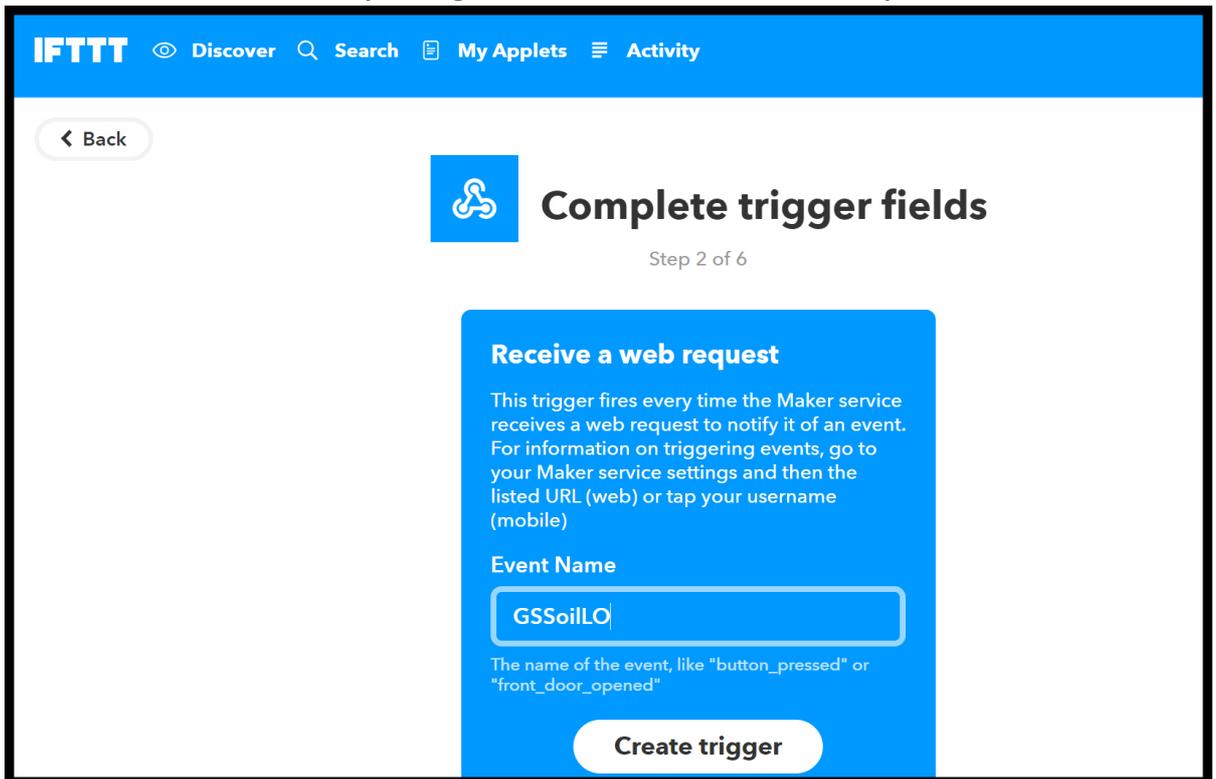

10. After the Create Trigger button is pressed you will see a screen like the one below that shows you have created the trigger portion of your applet and now you need to define what you want to happen when the trigger is received. In this simple example we want to get an email once the trigger is recieved. This means that when the spike senses low moisture it will send a trigger to IFTTT.com ... this will cause an email to be sent saying the soil moisture is low. Of course, with IFTTT you can cause many different actions to occur. Now click on the word "that" in blue.
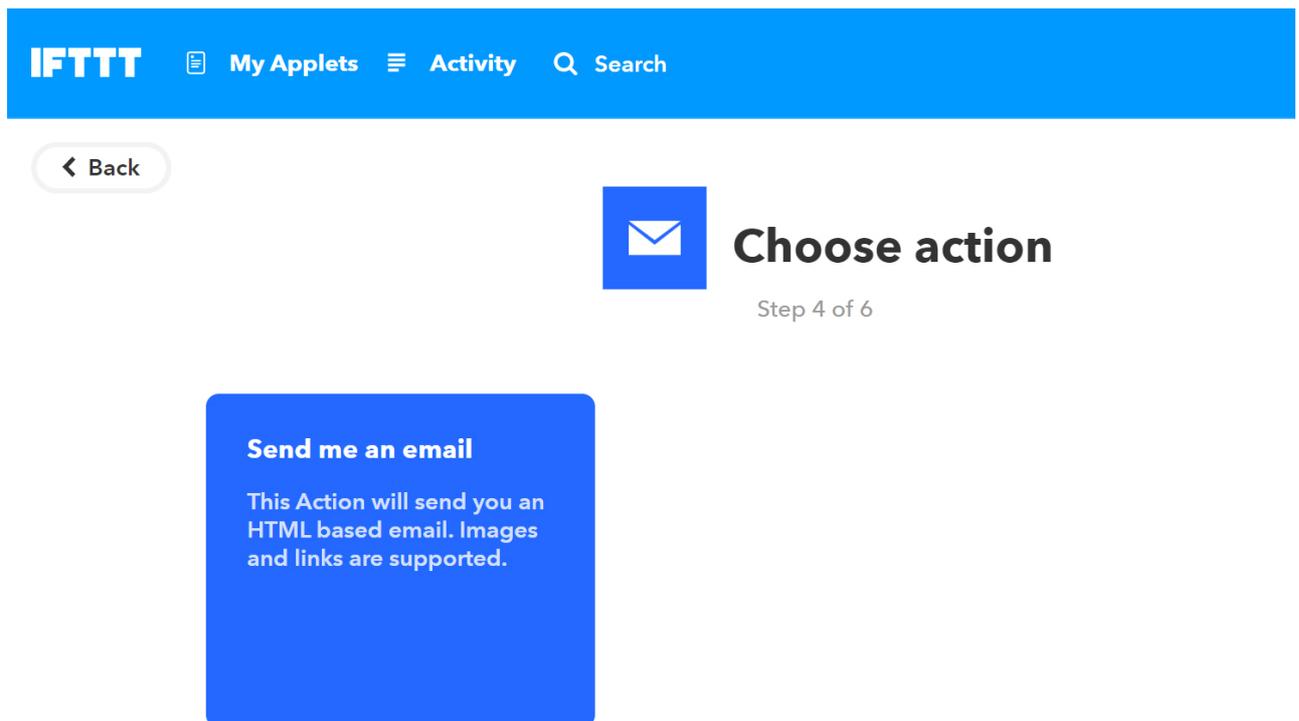
11. Now look at the list of options presented for actions. Select the "Email" icon.
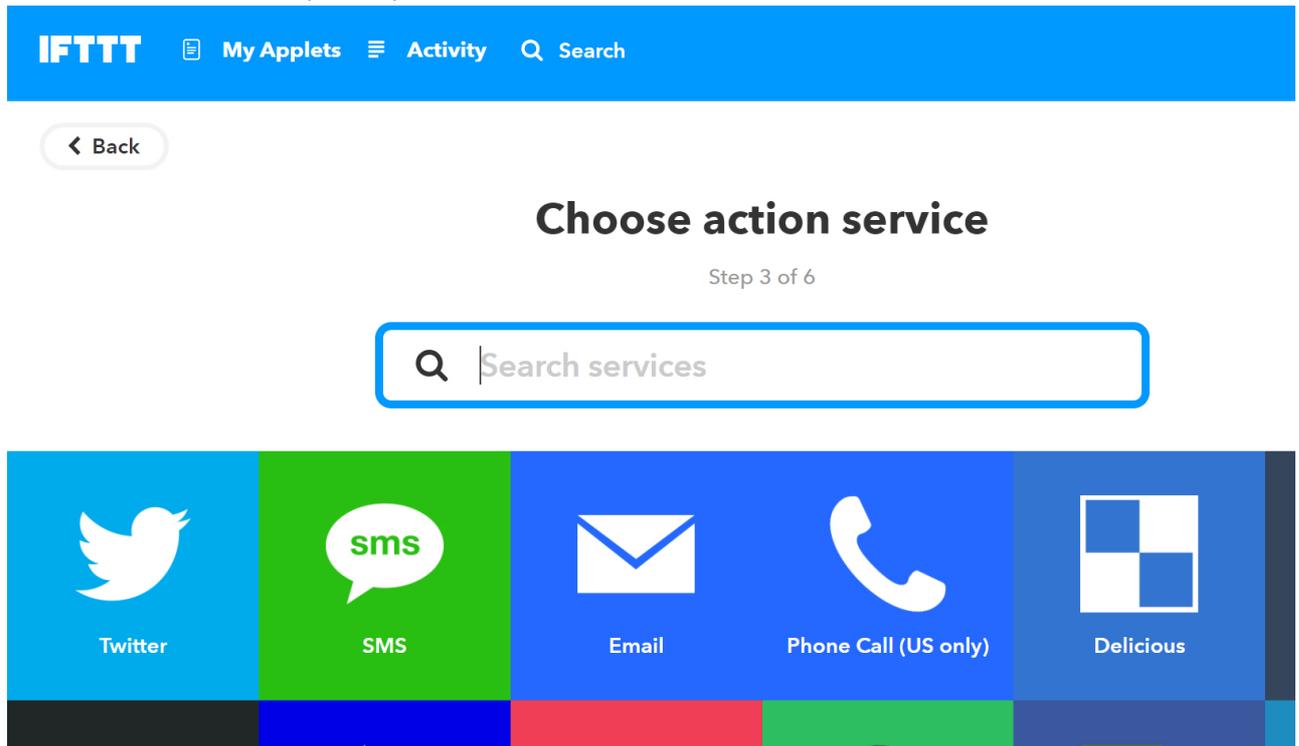
12. You will see a screen like the one below. Select the "Send me an email" item.

13. This will lead to a screen like the one below. Scroll down and click the "Create event" button below.

14. Now we have completed the configuration of the IFTTT applet, and all that is left to do is to make sure the Webhooks ID is configured in the spike and the Soil Moisture LO setting is set to something like 20%. This will tell the spike to send a trigger to IFTTT using your Webhooks ID when the moisture is lower than 20%. That's it you are done.

15. Here is a screenshot (below) of the spike configuration screen. The two key fields you need to fill-in are highlighted below. Place your unique Webhooks key and set the soil mosture level to 20% by placing

20 in the field.

.ıll AT&T LTE ☀		📶 ⁕ 44% 🔋
	8:05 PM	
	192.168.4.1	
	gardenspike_c5b7	
‹ ›	**Log In**	Cancel

☑ Automatic Firmware Updates

Local Sensor Collection (Optional)

| 192.168.1.86 | Address |
| 8080 | Port |

IFTTT Triggers (Optional)

IdF4tH67Uil3CvbF6R	Webhook ID
32.0	Max Temp
32.0	Min Temp
0.0	Max Humidity
0.0	Min Humidity
0.0	Max Soil
20	Min Soil
0.0	Low Battery

save

Scan