IFTTT is a very useful "glue" services that helps us to connect to different internet services. For example, we can glue the Facebook service with the mobile phone so that whenever there is a new photo taken, the photo would be upload to Facebook with a new post. The name IFTTT in fact is the abbreviation of IF This happens Then That action follows. The IFTTT backend connects different services and devices by using their own API (application programming interface) and using a very straight forward trigger logic approach to make the communication.

IFTTT has been very popular because it is very easy to use and being able to connect to many commonly used internet services. It is often to consider learning to use IFTTT as the first step to get into IOT world. It is like the "Hello world" programming code for IOT beginner. The Muselab IOT robotic shield can works directly with the IFTTT services. Muselab have developed some very simple to use blocks used within the Mircobit PXT make code web page (https://makecode.microbit.org/). Below are the detail step to step up the Muselab IOT shield and how to connect to IFTTT.

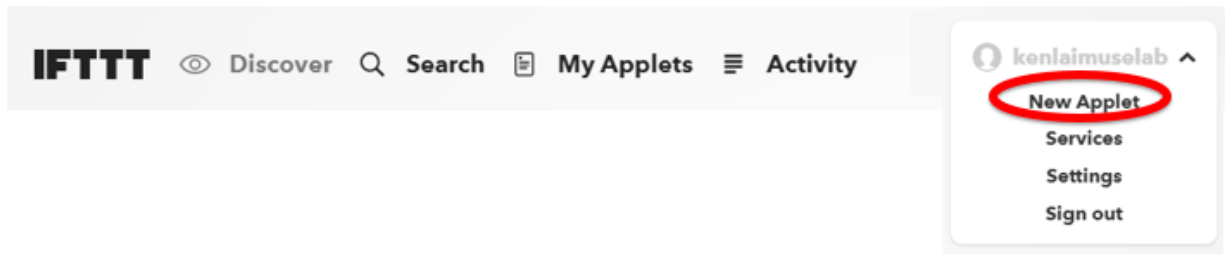First you have to step up the Wifi shield as follow. For detail instruction, see this link.
http://muselab.cc/2018/03/15/how-to-connect-microbit-to-the-internet/
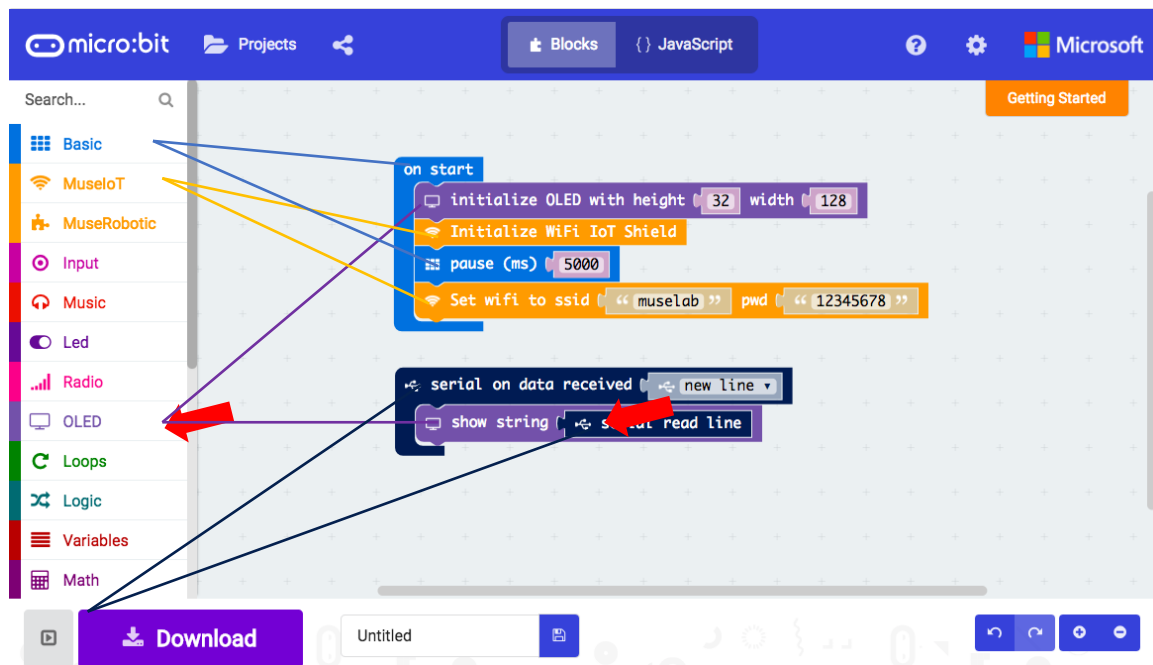
Then you have to apply for an IFTTT account, if you still haven't had on yet.

Step 1. Go to IFTTT at http://www.ifttt.com and signup.
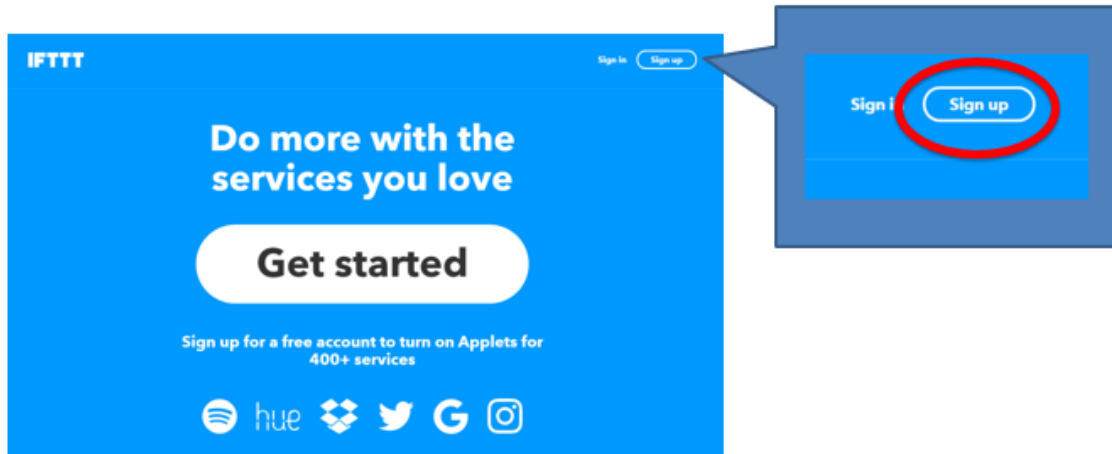
Step 2. After you got the account, Click "New Applet" at the right upper corner.

Step 3. For creating the applet, there are 2 things we need to set. They are "this" and "that" for IFTTT (if **this** then **that**). In this step, we set the "this" first. Click the "this"

Step 4. For the service on "this", we search and select "webhooks". Actually, "webhooks" is an event name you have to set. Next, we set the webhooks (event name) to be "fire_accident" and click "Create trigger".

Choose a service
Step 1 of 6

Q webhooks

Webhooks

Complete trigger fields
Step 2 of 6

Receive a web request

This trigger fires every time the Maker service receives a web request to notify it of an event. For information on triggering events, go to your Maker service settings and then the listed URL (web) or tap your username (mobile)

Event Name

fire_accident

The name of the event, like "button_pressed" or "front_door_opened"

Create trigger

Step 5. After that, we set the "that". We click "that"

if 🔗 then ➕that

Step 6. We choose gmail service web when "fire_accident" happened. After it, click "Create action" button.

Choose action service
Step 3 of 6

Q gmail

Gmail

Complete action fields
Step 5 of 6

Send yourself an email

This action will send yourself an email. HTML, images and links are supported.

Subject

The event named " EventName " occurred on the Maker Webhooks service

Add ingredient

Body

What: EventName
When: OccurredAt
Extra Data: Value1 , Value2 , Value3 ,

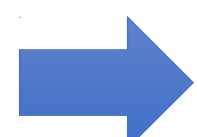Some HTML ok   Add ingredient

Attachment URL

URL to include as an   Add ingredient
attachment

Create action

Quick review:

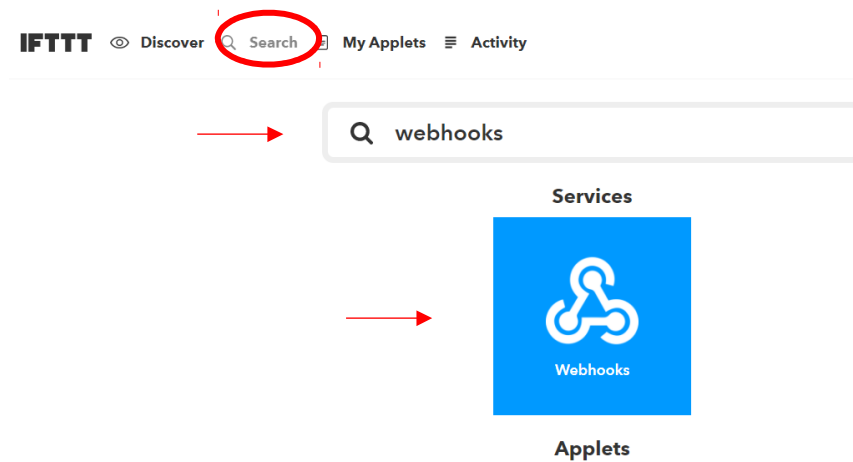Let's have a look what we did, if the fire   n trigger

gmail.

fire_event

Of course, you can set different event and use different cloud services as you like!

Button_pressed
Morning
Door_opened
...

Step 7. Now we need to get the key for your IFTTT account. Go to upper menu and click "Search", we search "webhooks" and select it.
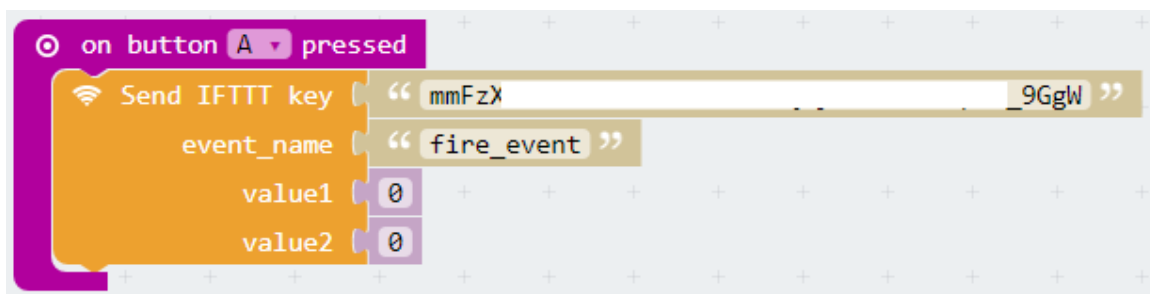
Step 8. You can see "Documentation" on right upper corner and click it.


Step 9. Just copy the key on the page.

Step 10. Go back to the block editor page. Get the on button A pressed listener out, find the Send IFTTT block from MuseIoT. Paste the key you have just copied from step 9. And type the event name you have just created in your IFTTT.
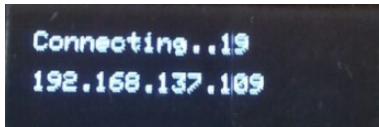

** Be aware that no any spaces (at the beginning and the end) has been copied when you pasted the IFTTT key.
** Be aware that the event_name is case-sensitive (capital letter or small letter must be the same). You can go to "My applets" to see if you not sure.
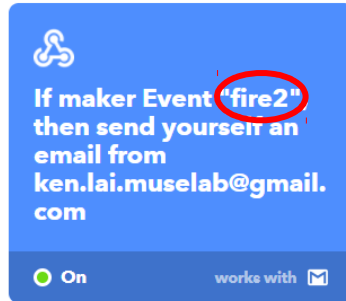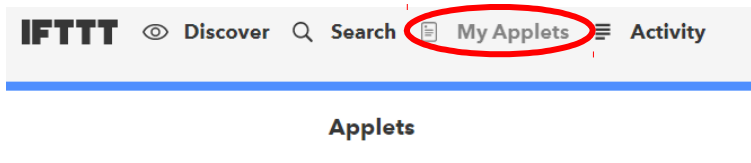
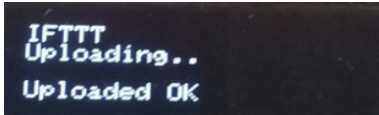The full initialize script would be as follow
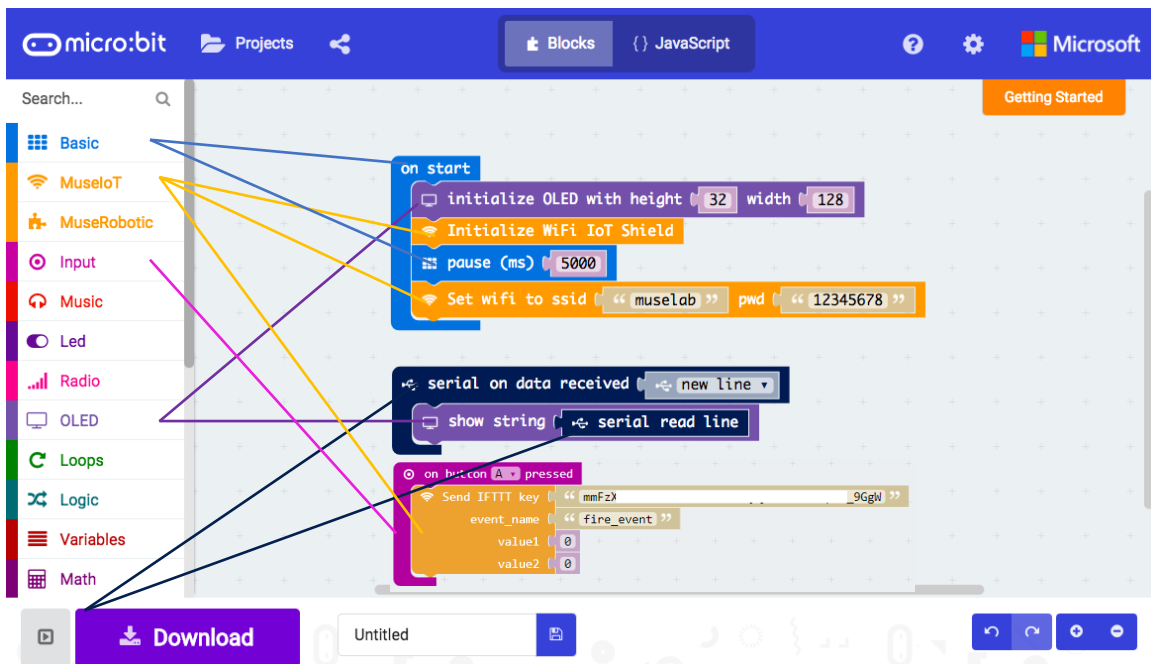
After the shield has been connected to the Internet.

Press the button A on the microbit. You will get the below message on the screen.

Go to the email box and check email, you got the email!

Please enjoy using any cloud services from IFTTT to make any fantastic IoT project!