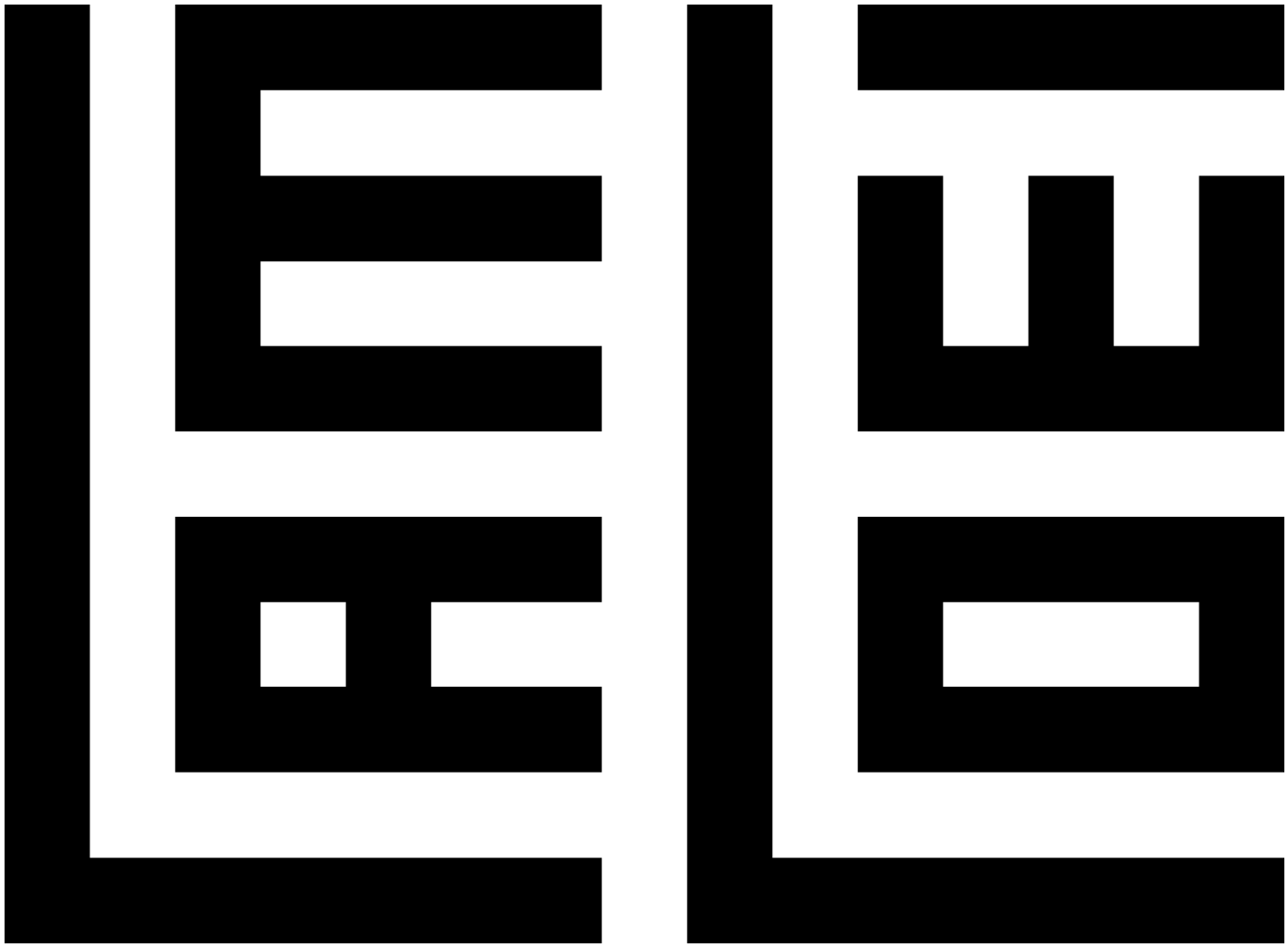
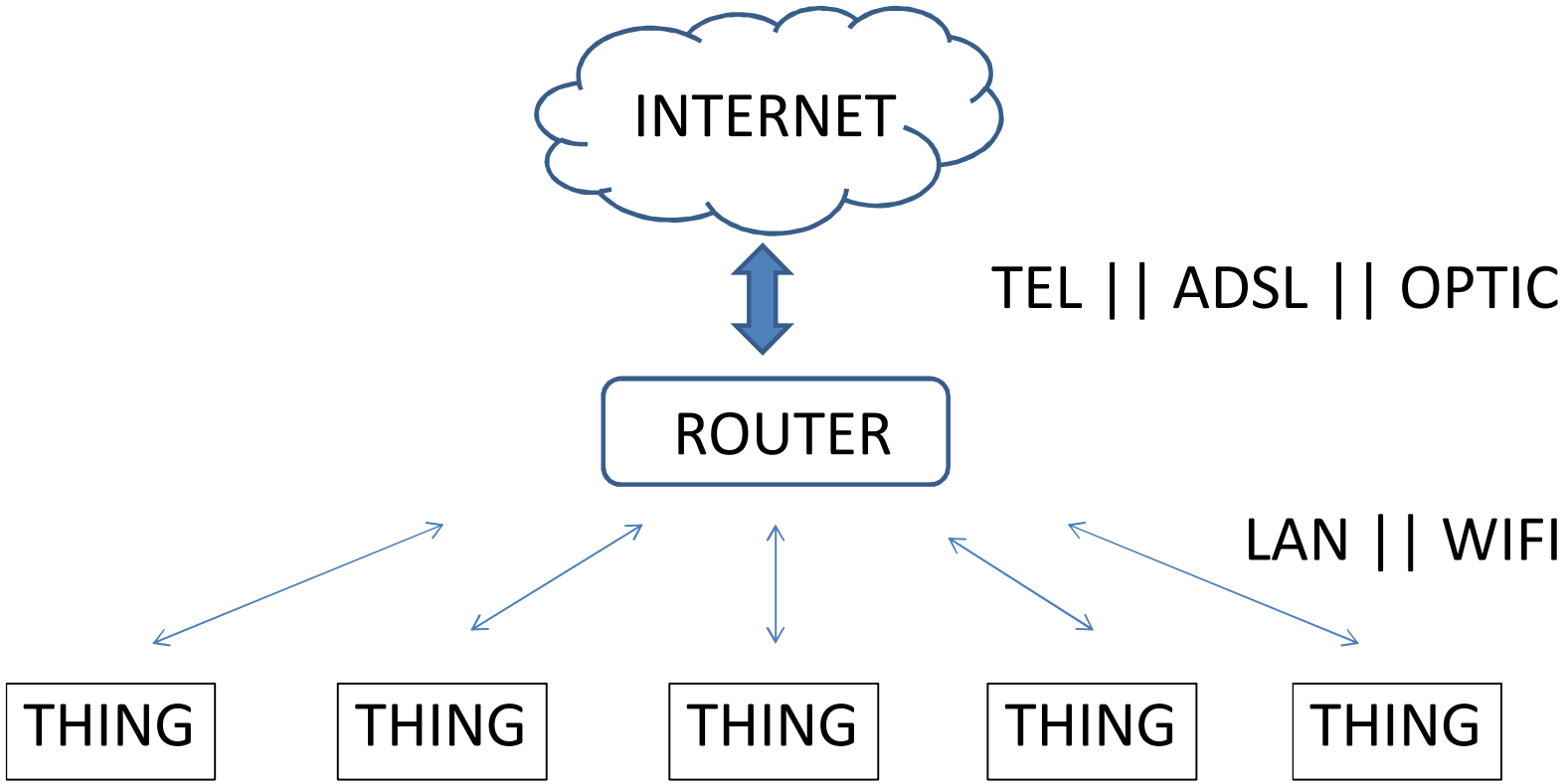

LAMLOE
https://www.facebook.com/lamloeicom

สมัคร Netpie

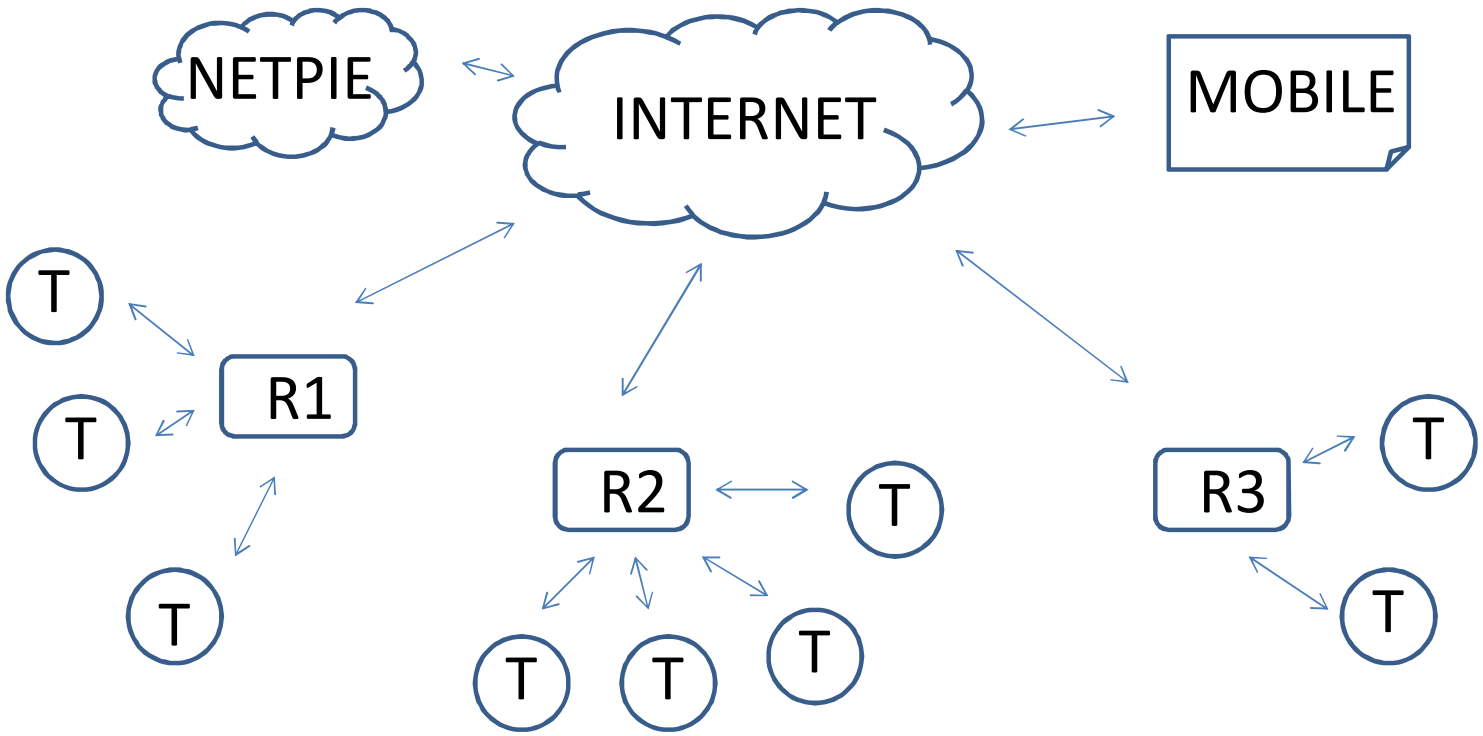
จะได้

1. User
2. Password - สำหรับเข้าหน้าเว็บ
3. Appid
4. Appkey
5. Appsecret - สำหรับให้ Thing เข้าใช้งาน

Internet of Thing



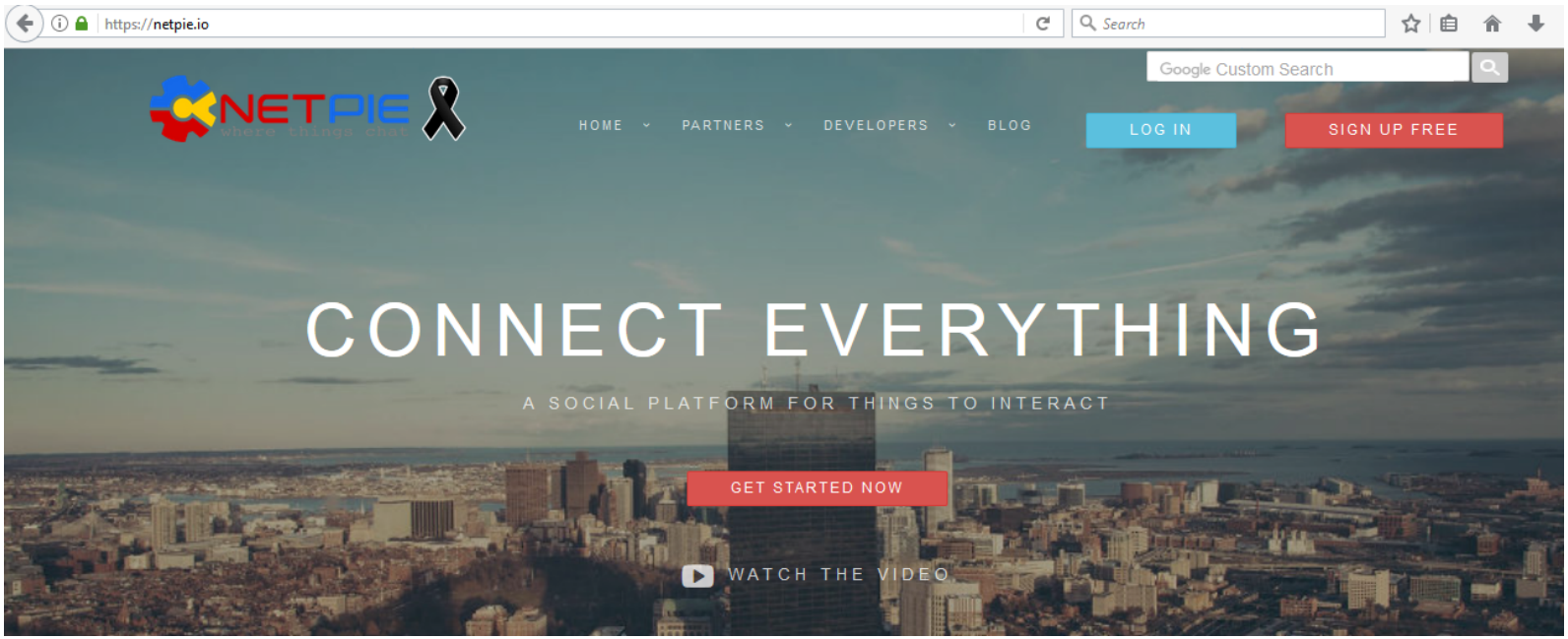
Internet of Thing



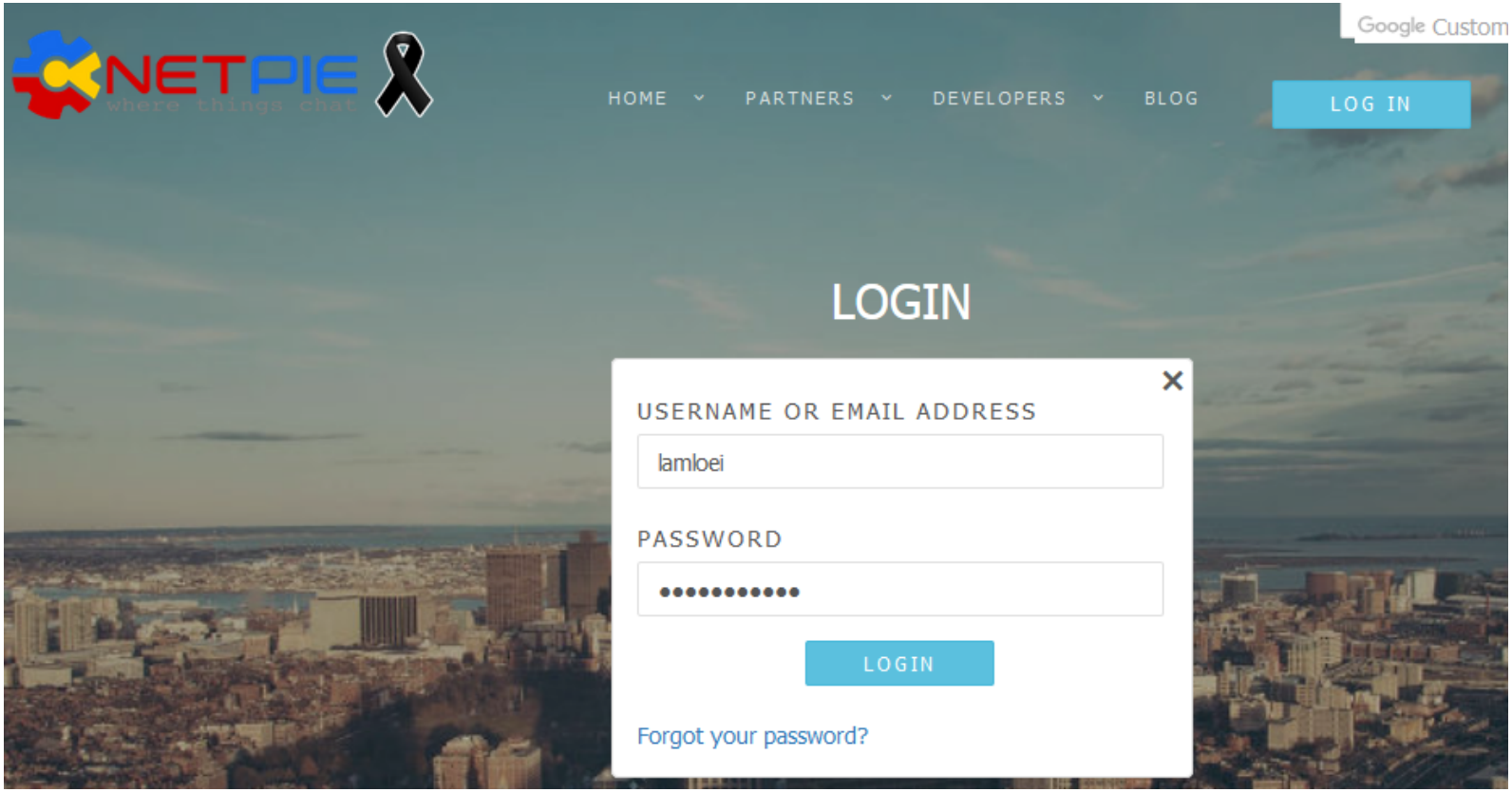
สมัคร Netpie

https://netpie.io/

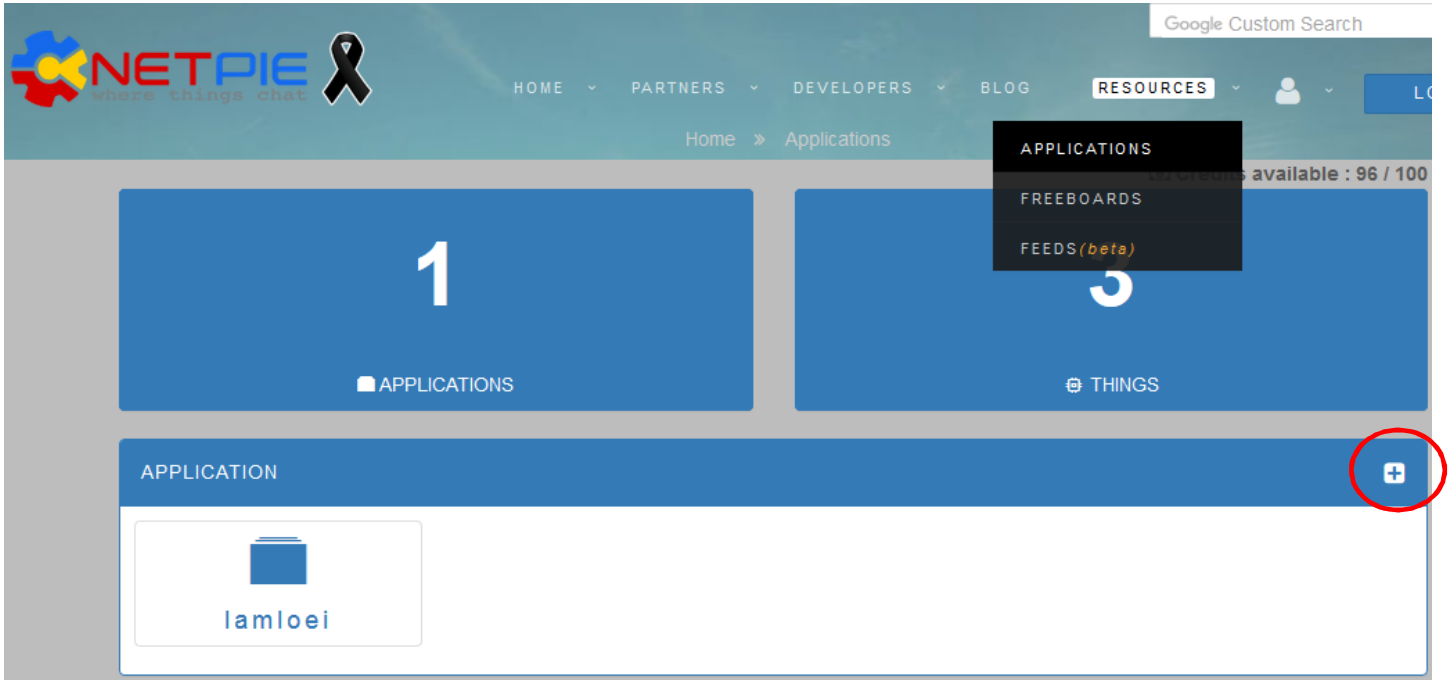
SIGN UP FREE แล้วทำตามขั้นตอน

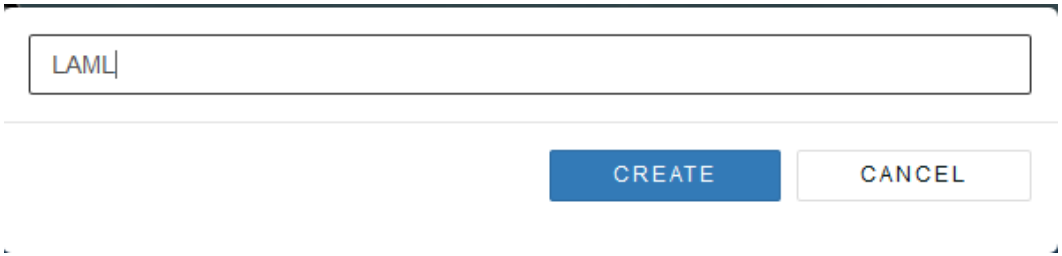


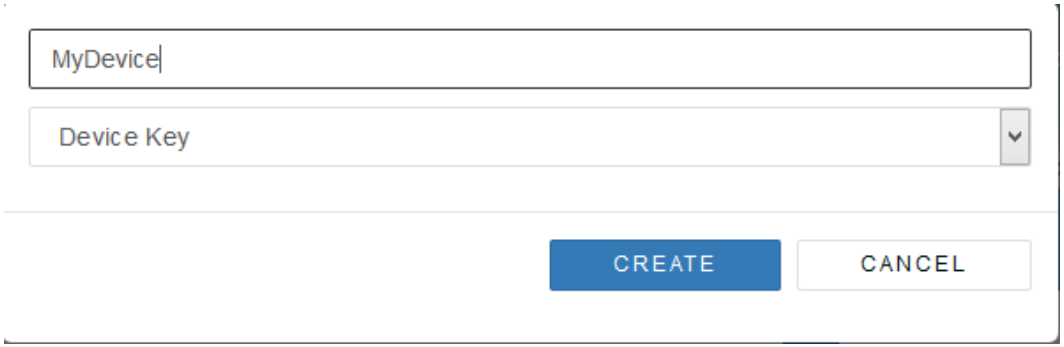
LOGIN


NETPIE
where things chat
HOME
PARTNERS
DEVELOPERS
BLOG
LOG IN
Google Custom
LOGIN
USERNAME OR EMAIL ADDRESS
lamloei
PASSWORD
LOGIN
Forgot your password?

RESOURCES > APPLICATIONS +







ตั้งชื่อ MyDevice

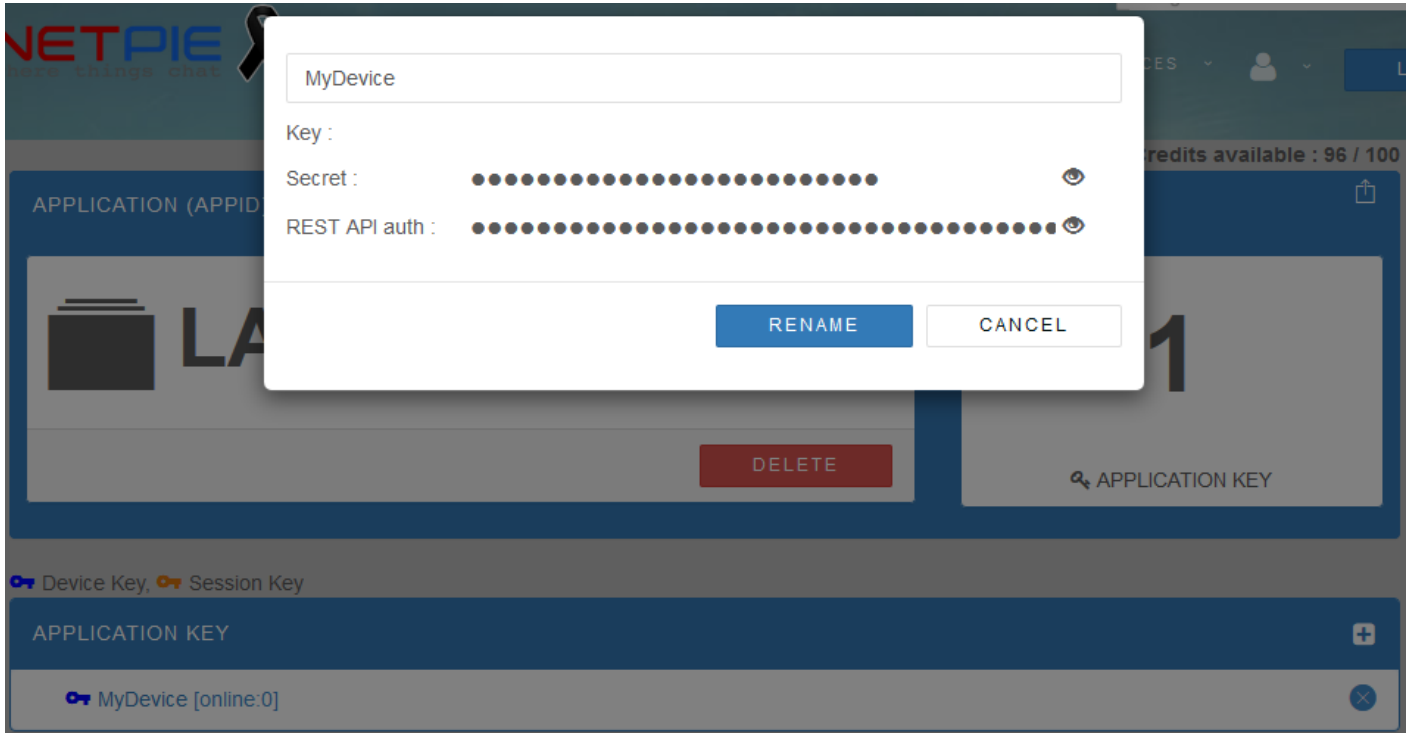
คลิกปุ่ม CRATE

คลิกที่ MyDevice จะได้

APPID: LAML

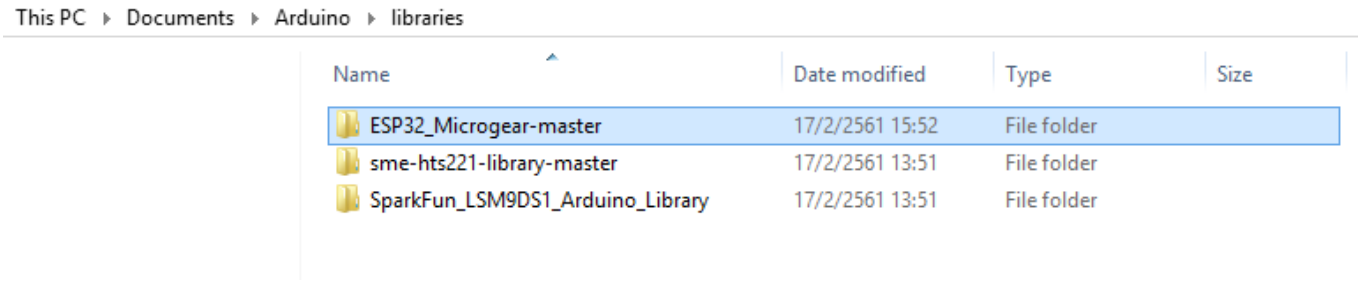
Key: XXX

Secrect: XXX

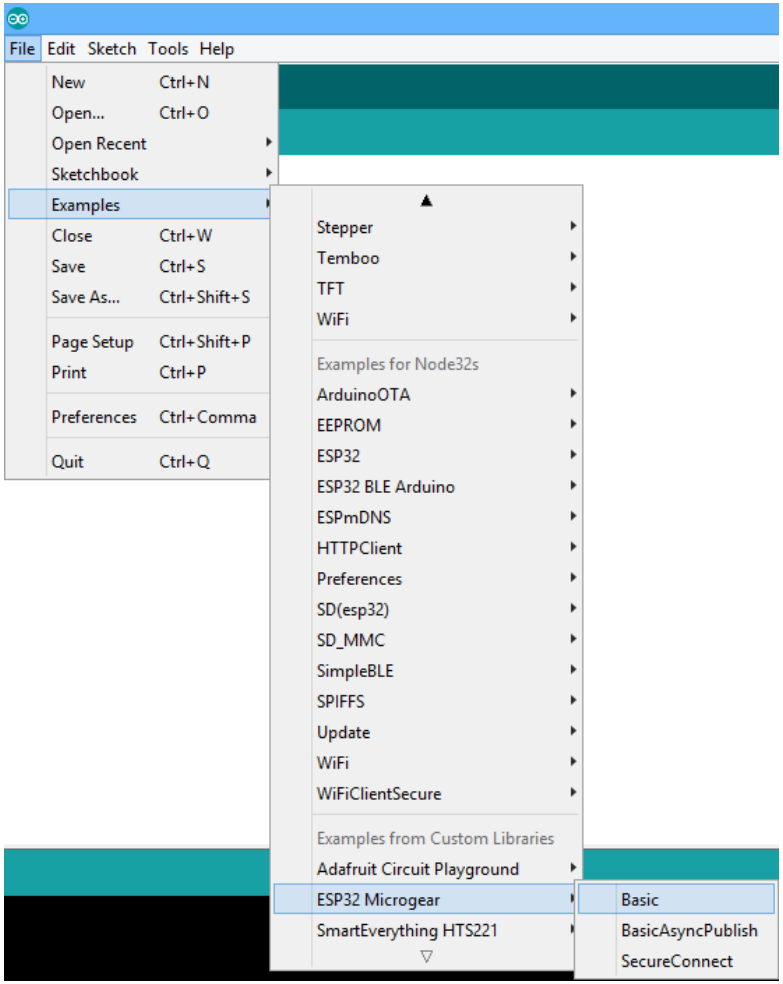


ดาวน์โหลด Library

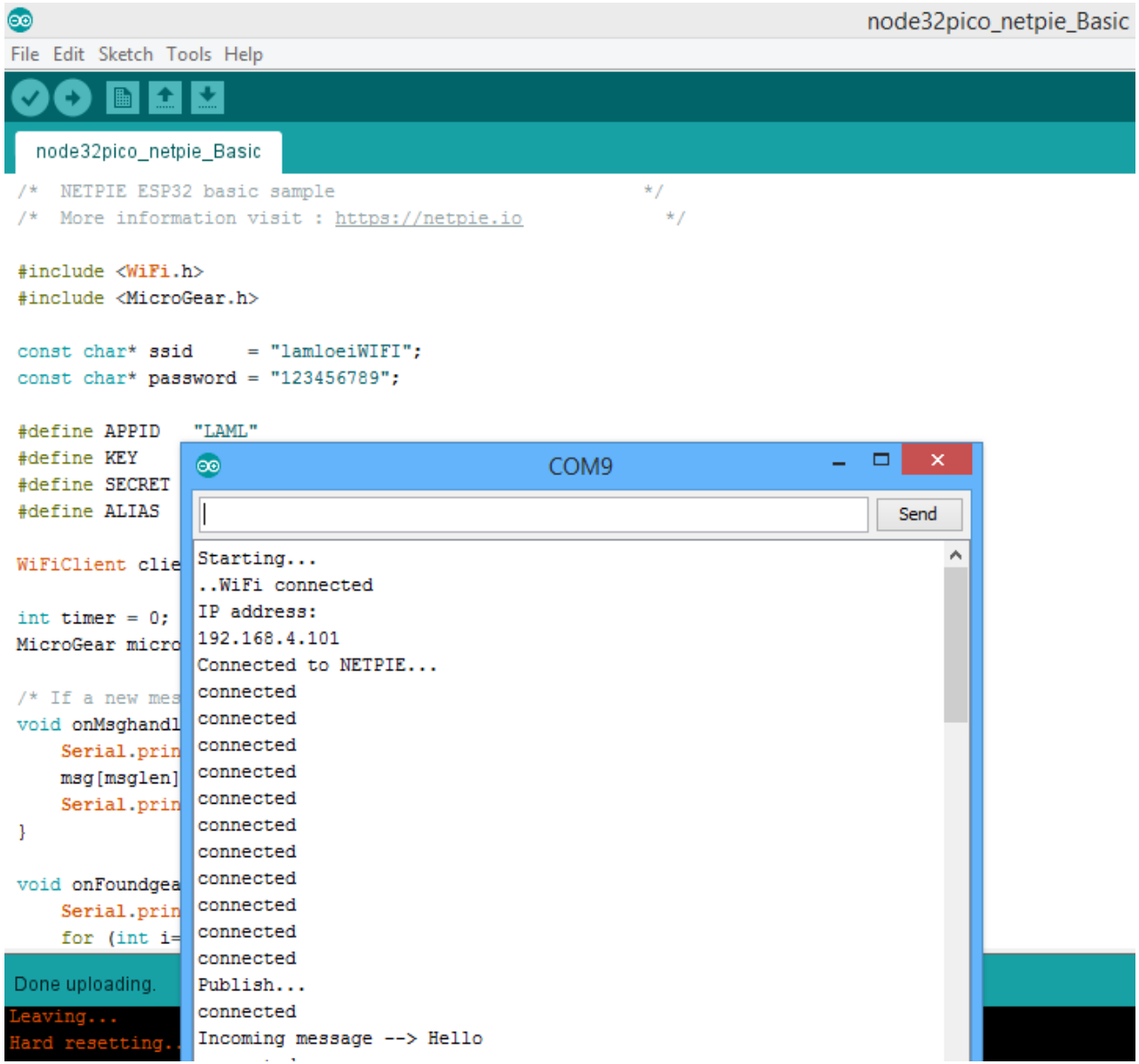
- ดาวน์โหลดไฟล์https://github.com/lamloei/ESP32_Microgear
- แตกไฟล์ลงโฟลเดอร์ Arduino/libraries
- ปิดและเปิด Arduino IDE ใหม่

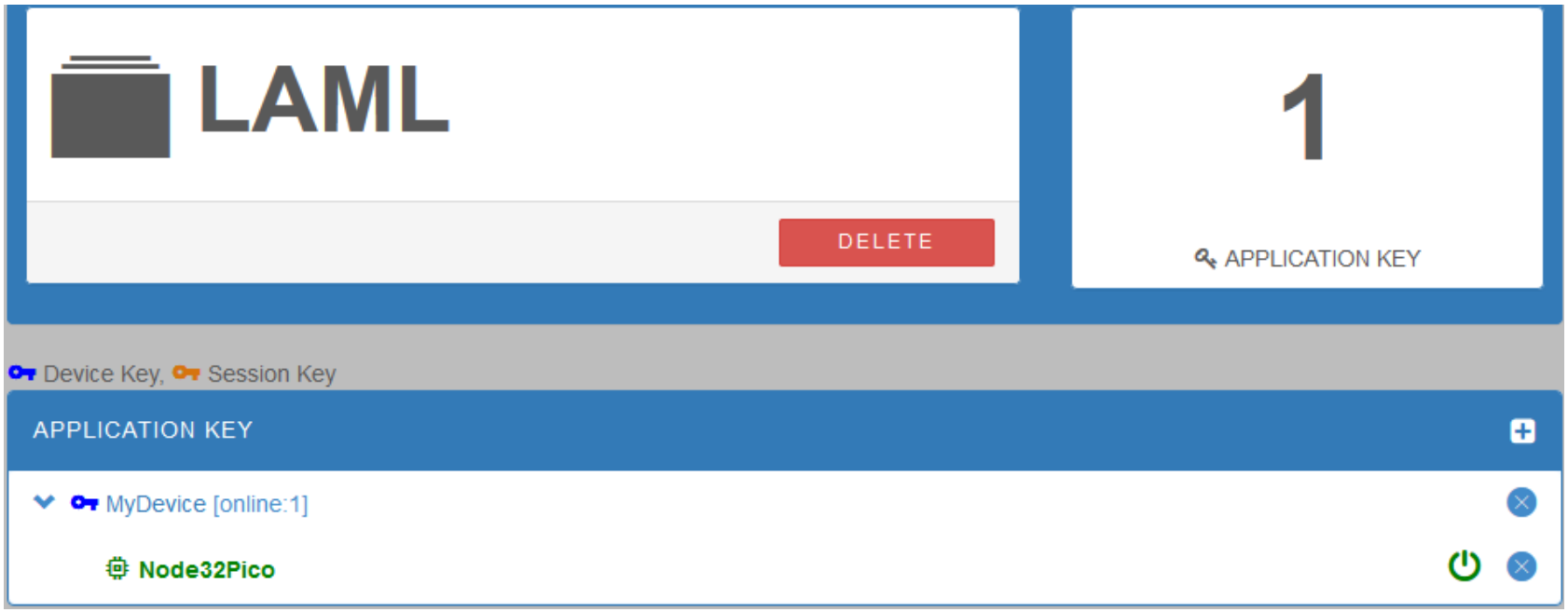


File > Examples > ESP32 Microgear > Basic



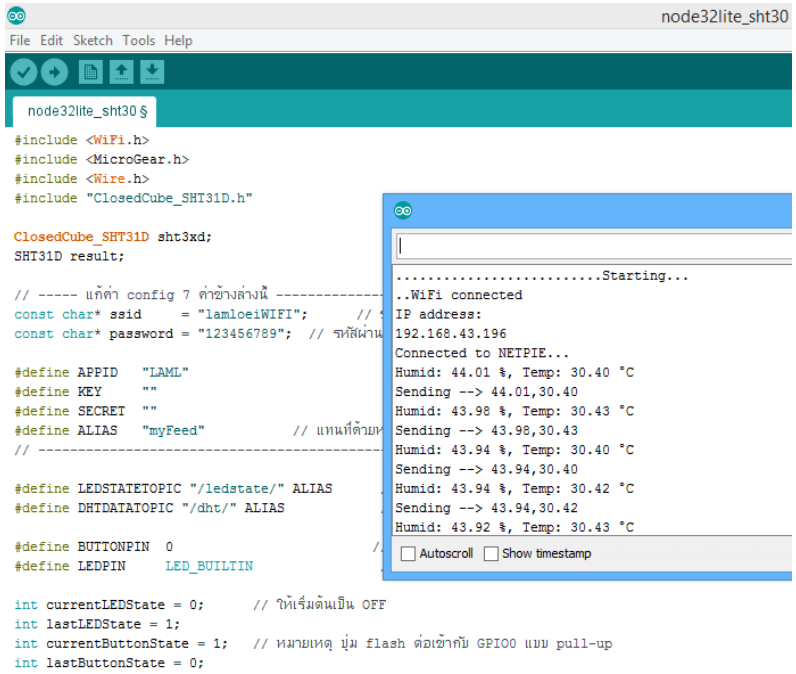

```
//ให้ใส่ค่าตัวแปร

const char* ssid     = “IamIoeiWIFI”;
const char* password = “123456789”;

#define APPID   <APPID>
#define KEY     <APPKEY>
#define SECRET  <APPSECRET>
#define ALIAS   “Node32Pico"
```


node32pico_netpie_Basic
File Edit Sketch Tools Help
node32pico_netpie_Basic
/* NETPIE ESP32 basic sample */
/* More information visit : https://netpie.io */
#include <WiFi.h>
#include <MicroGear.h>
const char* ssid = "lamloeiWIFI";
const char* password = "123456789";
#define APPID "LAML"
#define KEY
#define SECRET
#define ALIAS
WiFiClient clie
int timer = 0;
MicroGear micro
/* If a new mes
void onMsghandl
Serial.prin
msg[msglen]
Serial.prin
}
void onFoundgea
Serial.prin
for (int i=
Done uploading.
Leaving...
Hard resetting..
COM9
Send
Starting...
..WiFi connected
IP address:
192.168.4.101
Connected to NETPIE...
connected
connected
connected
connected
connected
connected
connected
connected
connected
connected
connected
Publish...
connected
Incoming message --> Hello

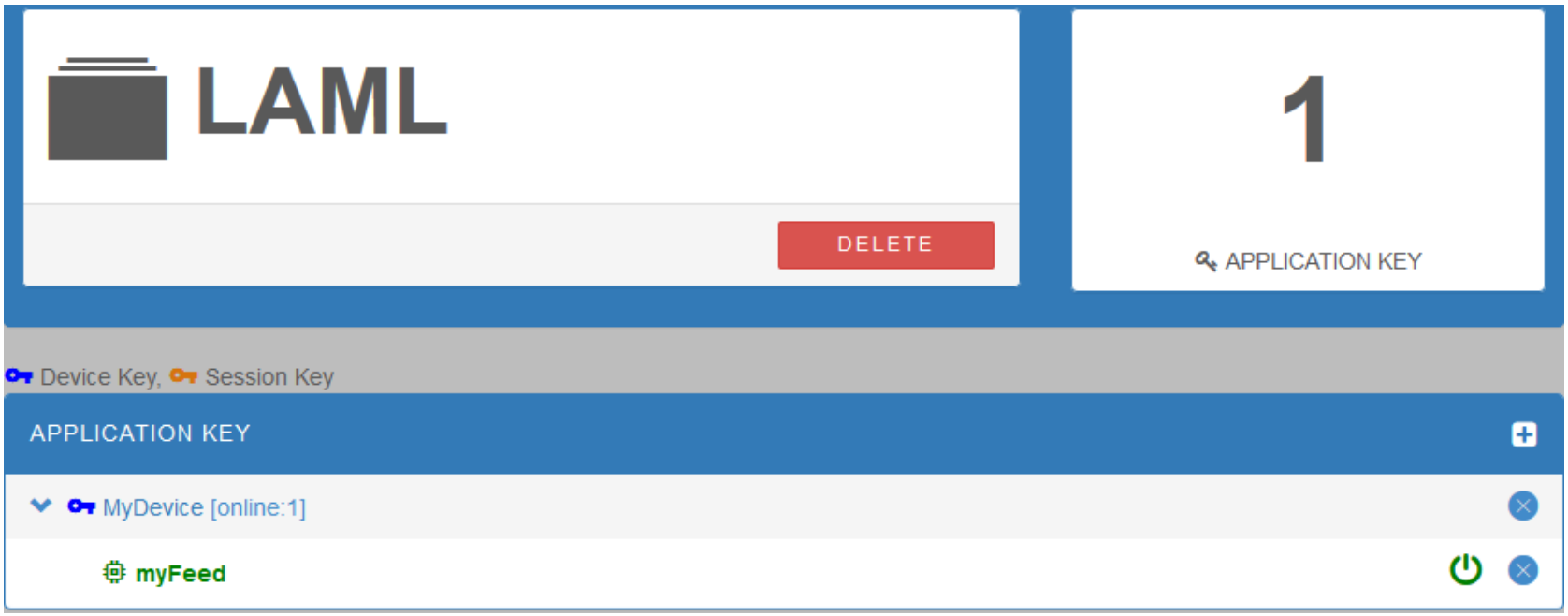

LAML
DELETE
1
APPLICATION KEY
Device Key, Session Key
APPLICATION KEY
MyDevice [online:1]
Node32Pico

FreeBoard

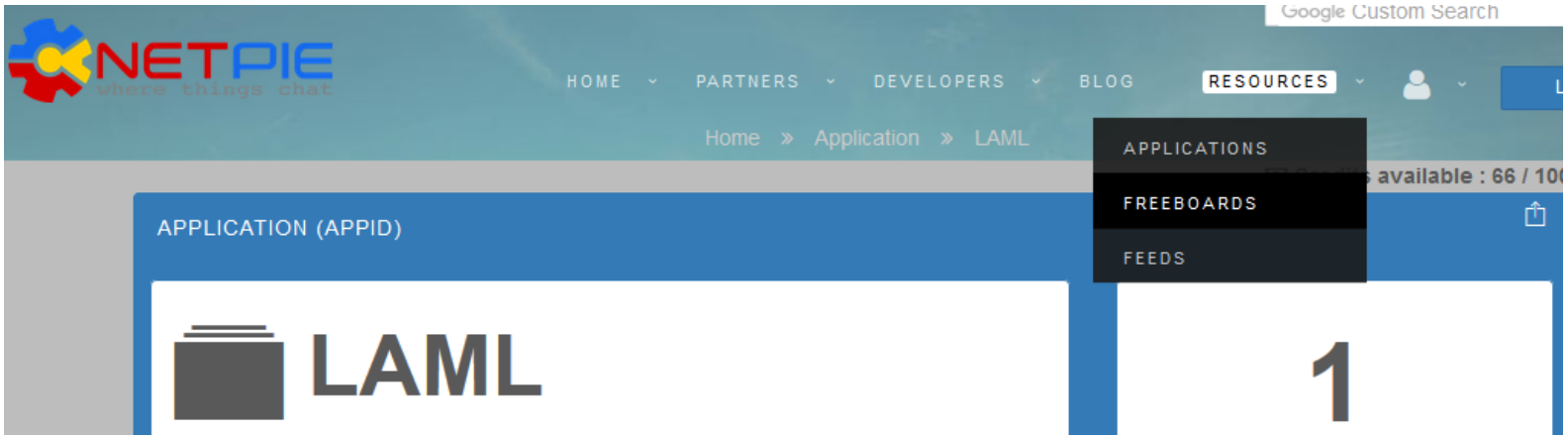
1. เปิดไฟล์ node32lite_sht30.ino
2. ปรับ ssid, password, APPID, KEY, SECRET, ALIAS



https://github.com/lamloei/present2/tree/master/20190228030102_Node32Lite_Basic


LAML
DELETE
1
APPLICATION KEY
Device Key, Session Key
APPLICATION KEY
MyDevice [online:1]
myFeed

RESOURCES > FREEBOARDS

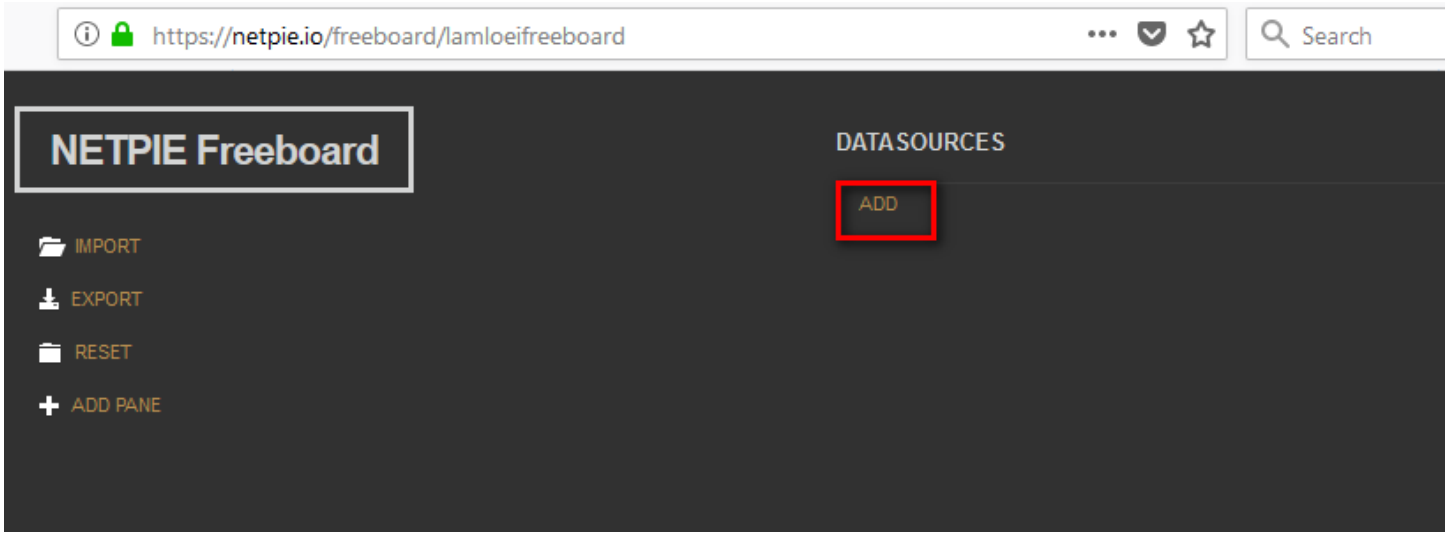


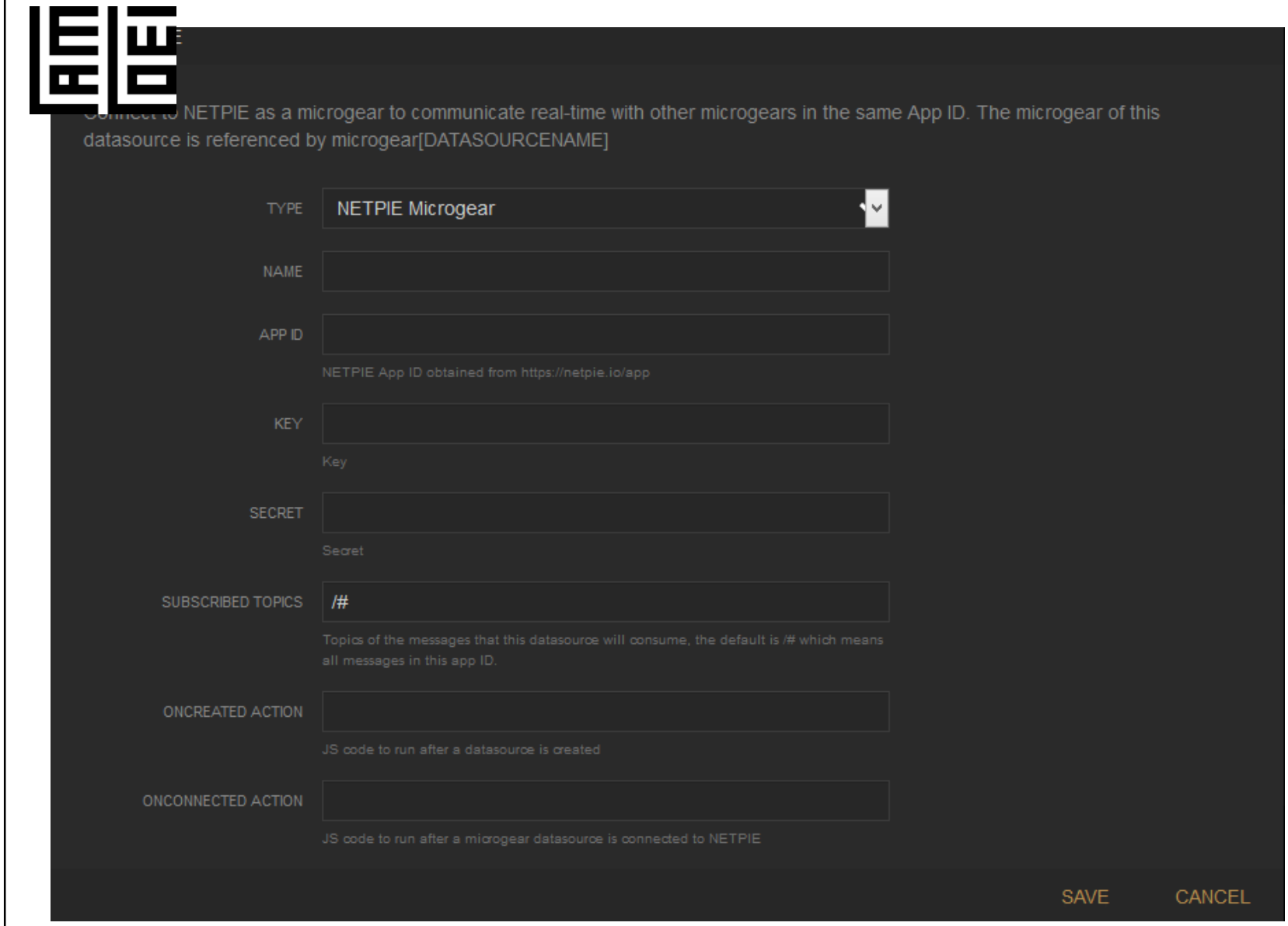
CLICK +
ตั้งชื่อ แล้วคลิกปุ่ม CREATE

lamloeiFreeboard

CLICK ที่ชื่อที่ตั้งขึ้นใหม่

คลิกปุ่ม ADD

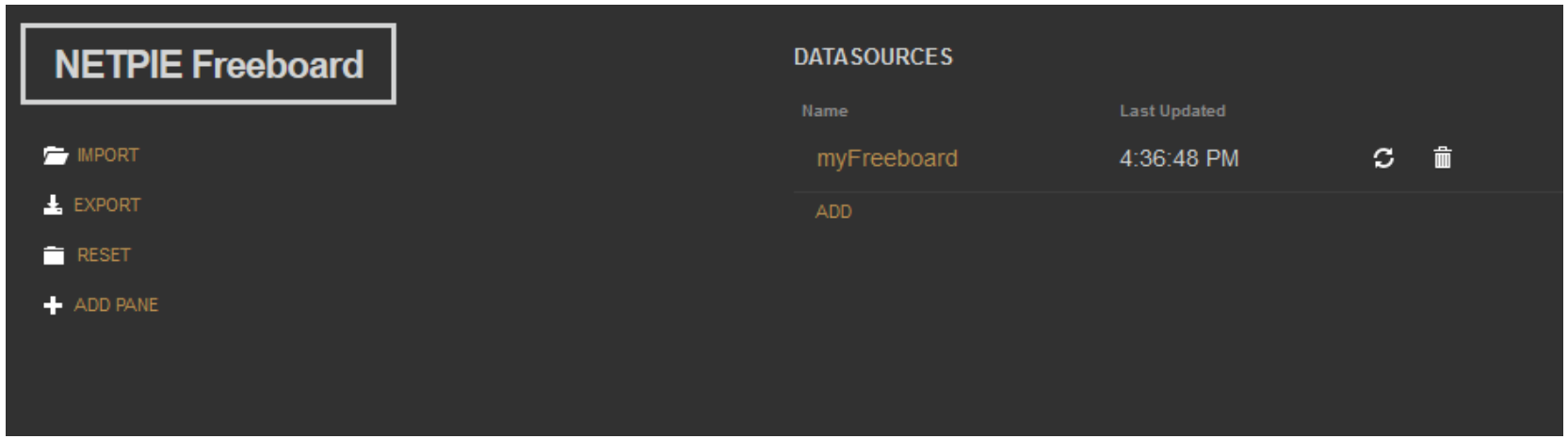



Connect to NETPIE as a microgear to communicate real-time with other microgears in the same App ID. The microgear of this datasource is referenced by microgear[DATASOURCENAME]
TYPE
NETPIE Microgear
NAME
APP ID
NETPIE App ID obtained from https://netpie.io/app
KEY
Key
SECRET
Secret
SUBSCRIBED TOPICS
/#
Topics of the messages that this datasource will consume, the default is /# which means all messages in this app ID.
ONCREATED ACTION
JS code to run after a datasource is created
ONCONNECTED ACTION
JS code to run after a microgear datasource is connected to NETPIE
SAVE
CANCEL

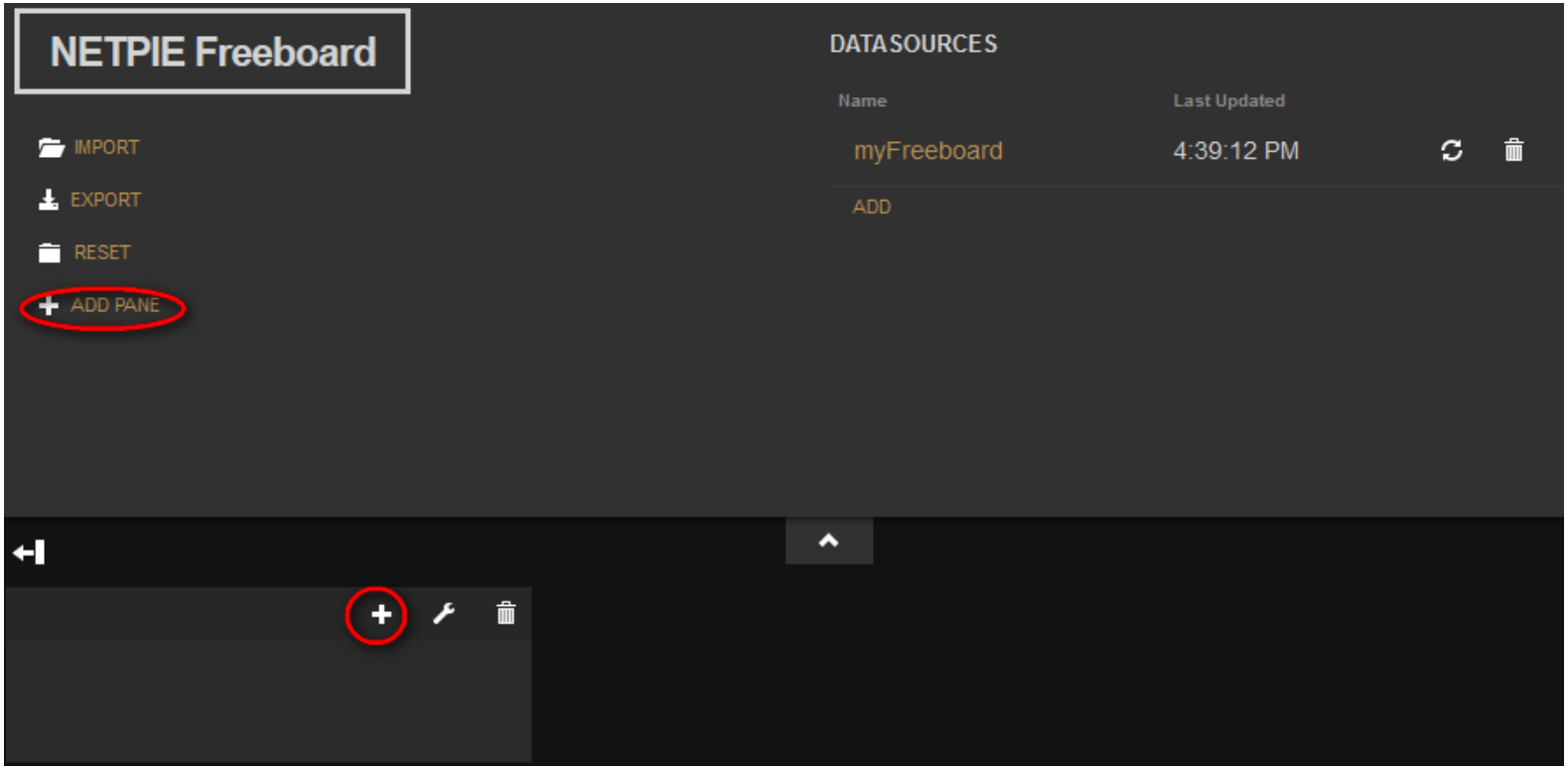
DataSource myFreeboard

- TYPE NETPIE Mirogear
- ตั้งชื่อ NAME (myFreeboard)
- ใส่ค่า APP ID
- KEY
- SECRET
- แล้วคลิกปุ่ม SAVE

ถ้าเชื่อมต่อได้จะขึ้นชื่อ Name ที่ตั้งไว้ กับค่า Last Updated



ADD PANE > +

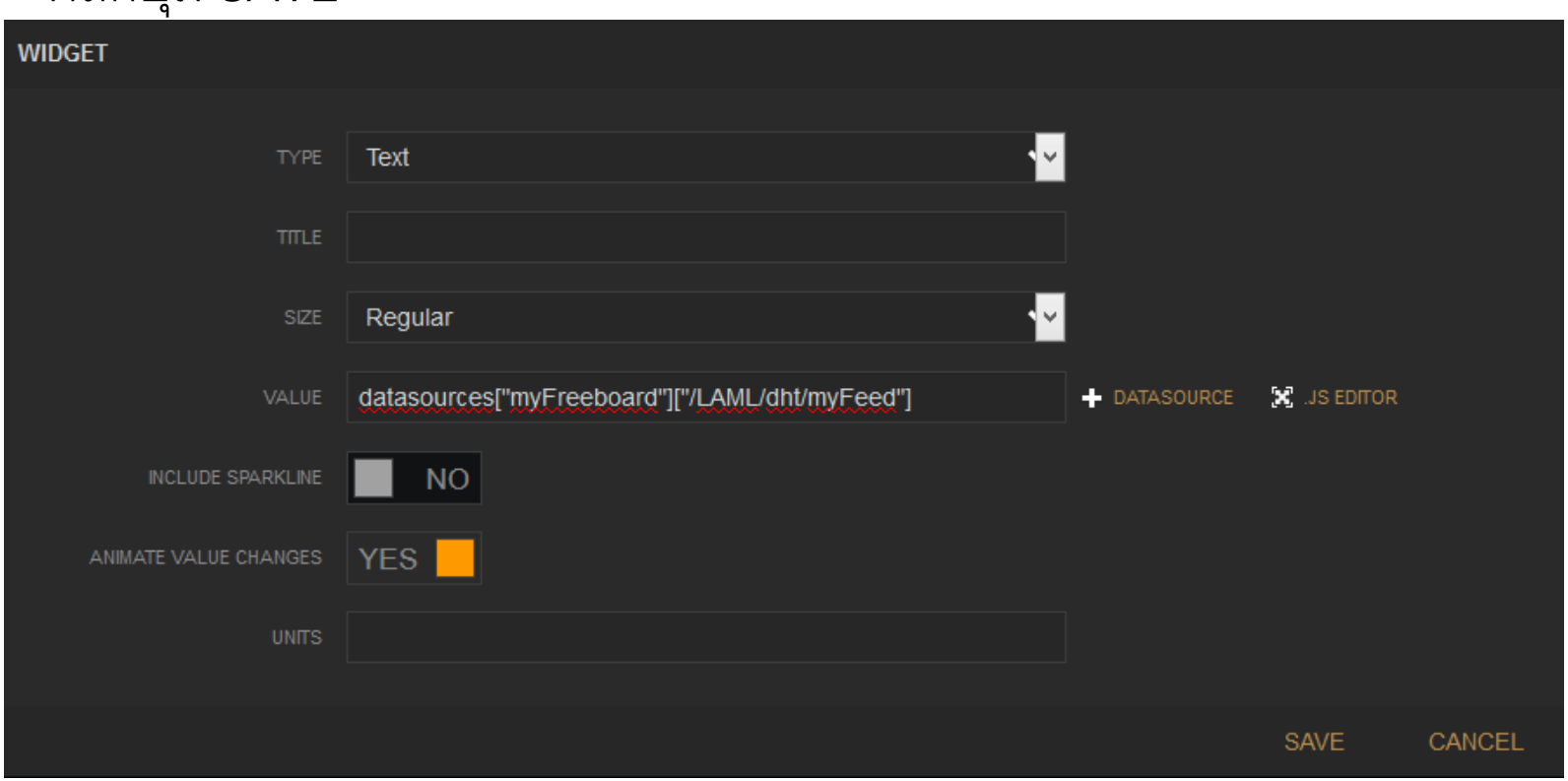

NETPIE Freeboard
IMPORT
EXPORT
RESET
ADD PANE
DATASOURCES
Name
Last Updated
myFreeboard
4:39:12 PM
ADD

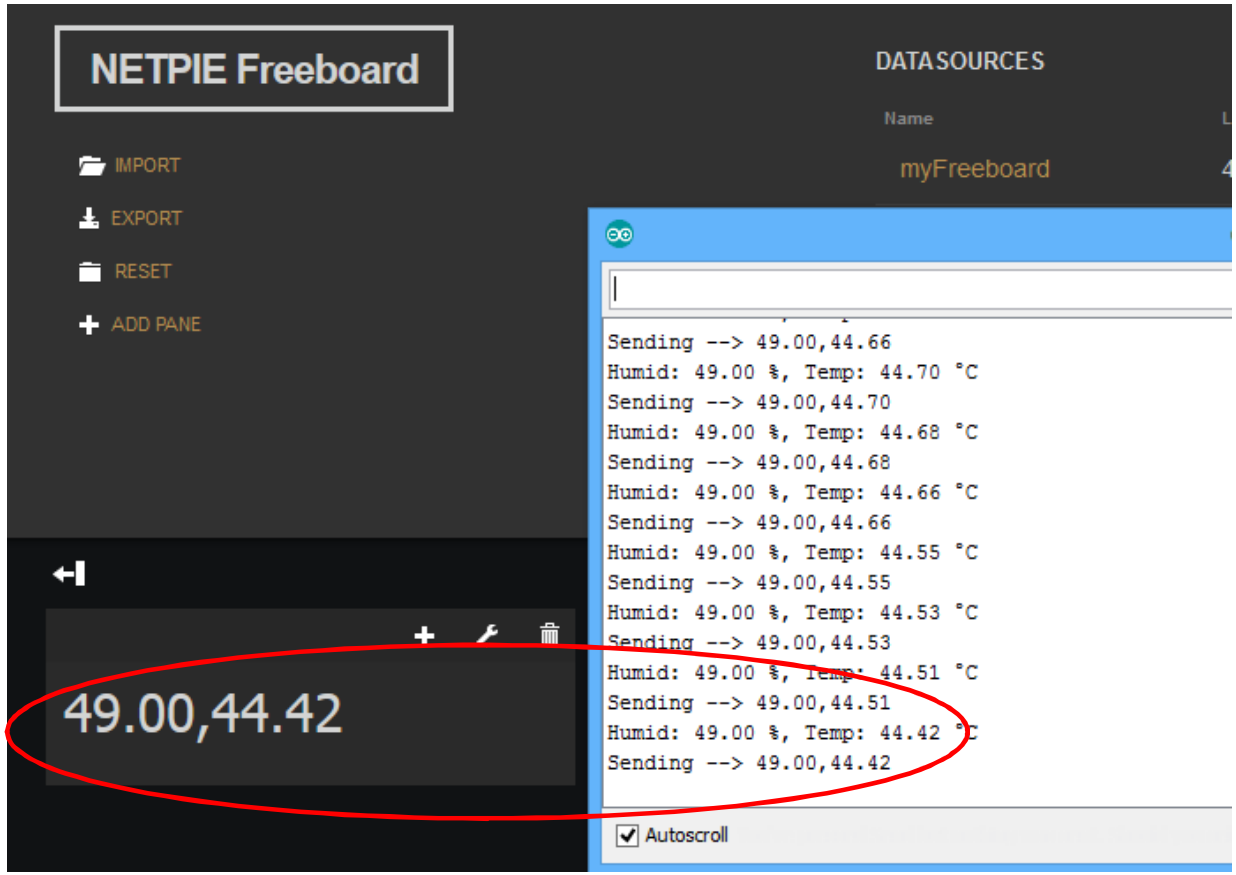
ADD PANE > +

TYPE เป็น Text

value เป็น datasources[“myFreeboard"]["/LAML/dht/myFeed"]

คลิกปุ่ม SAVE




NETPIE Freeboard
IMPORT
EXPORT
RESET
ADD PANE
DATASOURCES
Name
myFreeboard
49.00,44.42
Sending --> 49.00,44.66
Humid: 49.00 %, Temp: 44.70 °C
Sending --> 49.00,44.70
Humid: 49.00 %, Temp: 44.68 °C
Sending --> 49.00,44.68
Humid: 49.00 %, Temp: 44.66 °C
Sending --> 49.00,44.66
Humid: 49.00 %, Temp: 44.55 °C
Sending --> 49.00,44.55
Humid: 49.00 %, Temp: 44.53 °C
Sending --> 49.00,44.53
Humid: 49.00 %, Temp: 44.51 °C
Sending --> 49.00,44.51
Humid: 49.00 %, Temp: 44.42 °C
Sending --> 49.00,44.42
Autoscroll

ADD PANE > +

TYPE เป็น Gauge

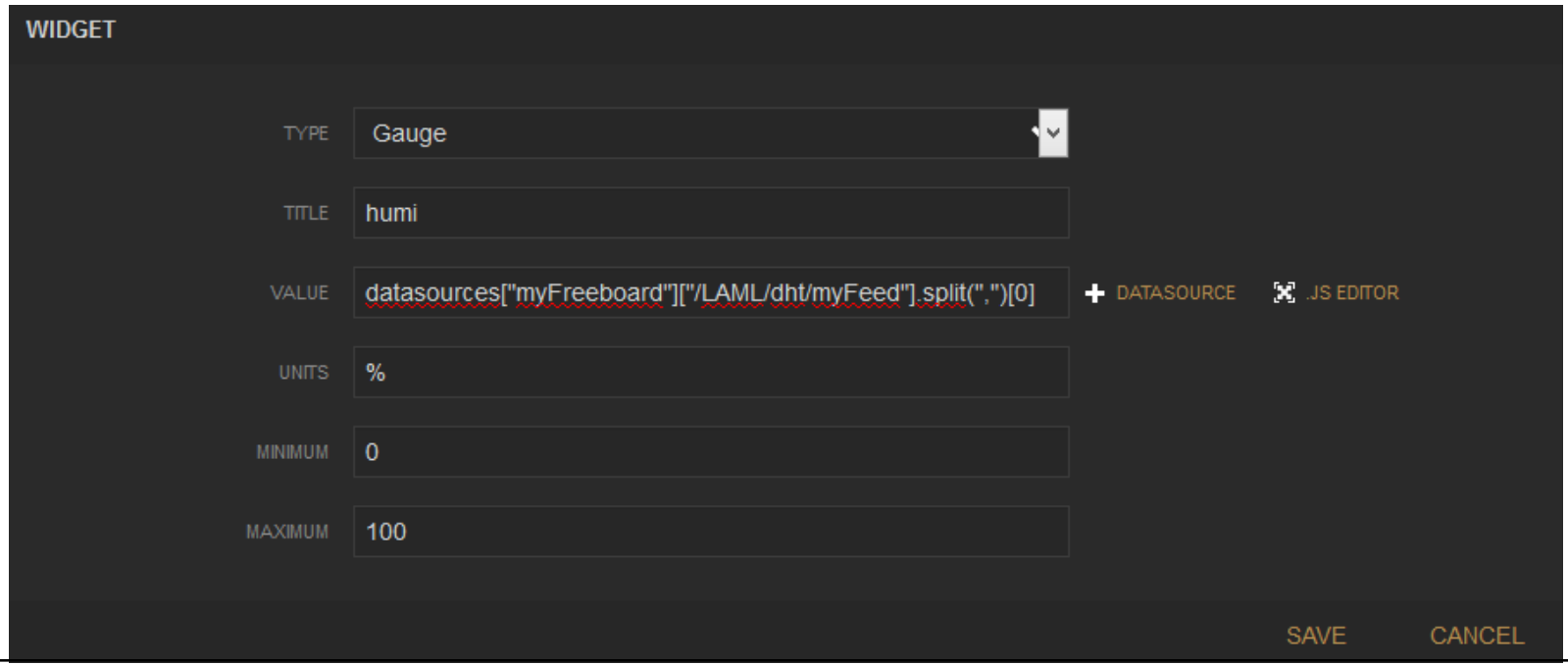
TITLE เป็น humi

value เป็น datasources["myFreeboard"]["/LAML/dht/myFeed"].split(",")[0]

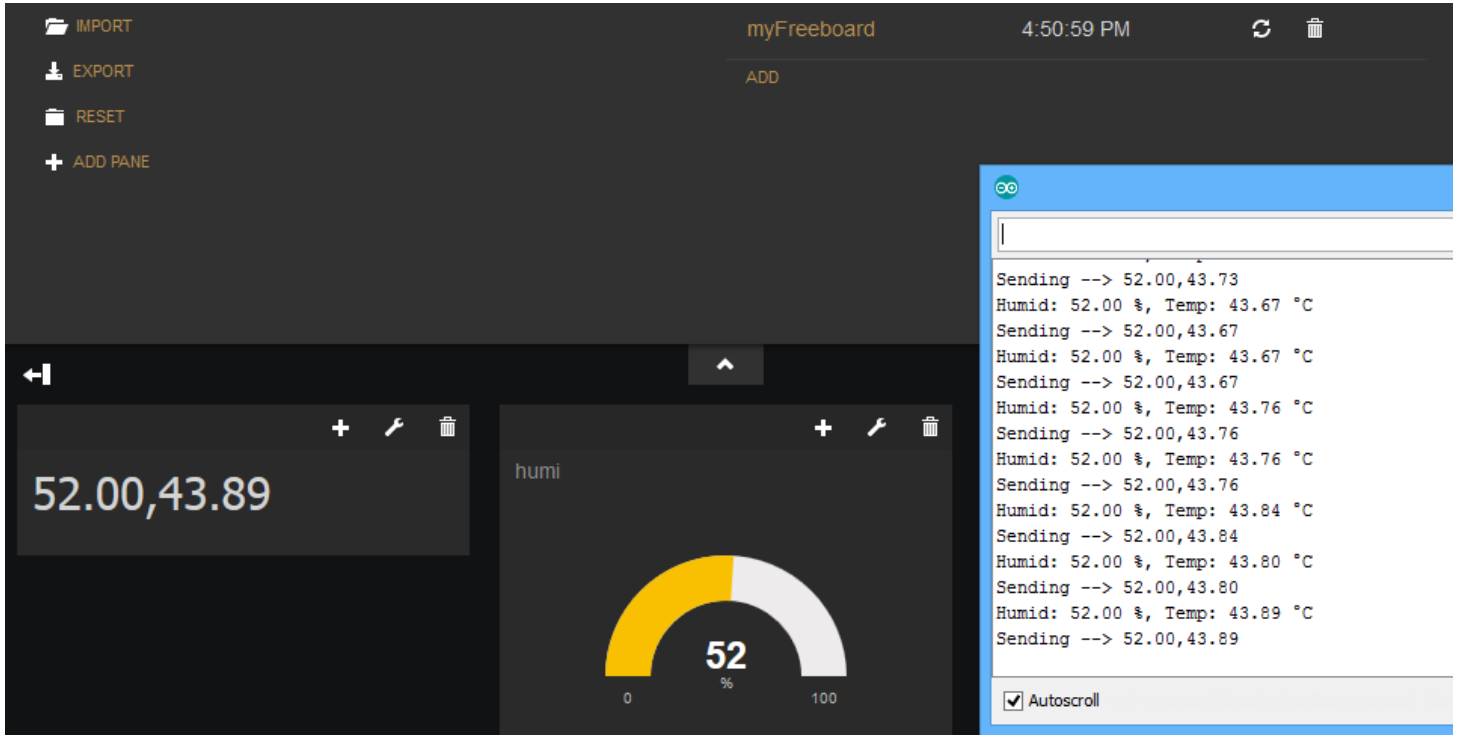
UNITS เป็น %

คลิกปุ่ม SAVE

*** .split(",")[0] ต้องพิมพ์เพิ่มต่อท้ายเอง



สามารถขยับ panel ได้



ADD PANE > +

TYPE เป็น Gauge

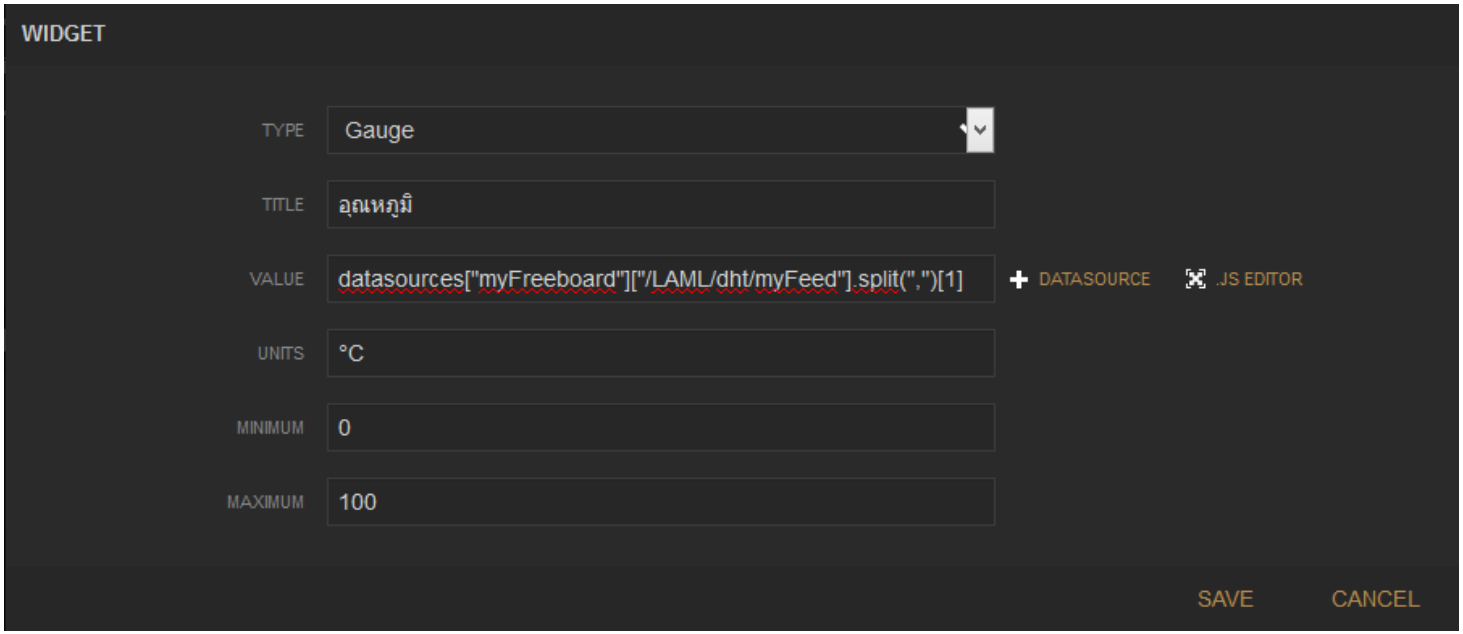
TITLE เป็น อุณหภูมิ

value เป็น datasources["myFreeboard"]["/LAML/dht/myFeed"].split(",")[1]

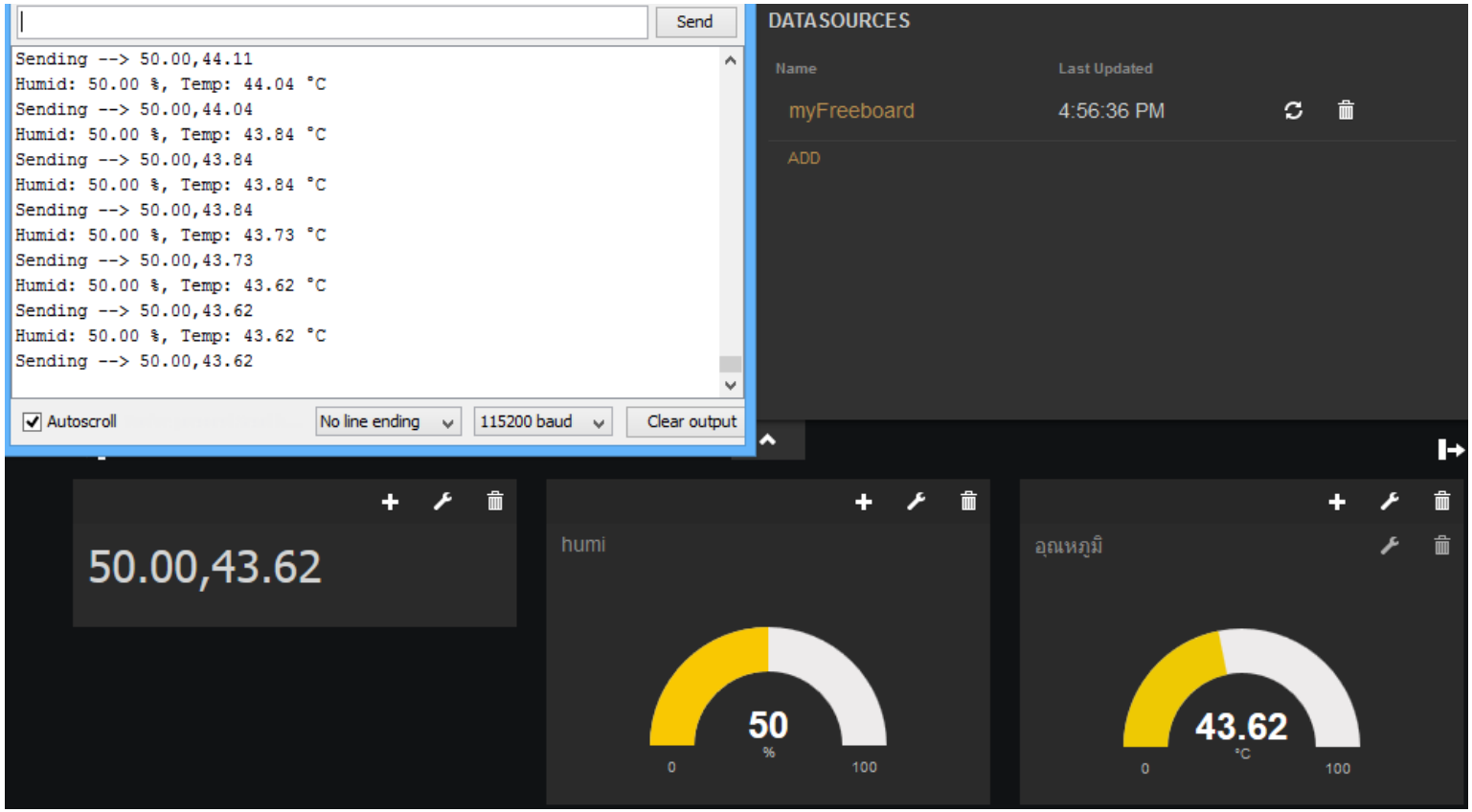
UNITS เป็น C

คลิกปุ่ม SAVE

*** .split(",")[1] ต้องพิมพ์เพิ่มต่อท้ายเอง



Freeboard


Send
Sending --> 50.00,44.11
Humid: 50.00 %, Temp: 44.04 °C
Sending --> 50.00,44.04
Humid: 50.00 %, Temp: 43.84 °C
Sending --> 50.00,43.84
Humid: 50.00 %, Temp: 43.84 °C
Sending --> 50.00,43.84
Humid: 50.00 %, Temp: 43.73 °C
Sending --> 50.00,43.73
Humid: 50.00 %, Temp: 43.62 °C
Sending --> 50.00,43.62
Humid: 50.00 %, Temp: 43.62 °C
Sending --> 50.00,43.62
Autoscroll
No line ending
115200 baud
Clear output
DATASOURCES
Name
Last Updated
myFreeboard
4:56:36 PM
ADD
50.00,43.62
humi
50
%
0
100
อุณหภูมิ
43.62
°C
0
100

ADD PANE > +

TYPE เป็น Toggle

TOGGLE CAPTION เป็น ปุ่ม

TOGGLE STATE เป็น

datasources["myFreeboard"]["/LAML/ledstate/myFeed"]==1

ONTOGGLEON ACTION เป็น

microgear["myFreeboard"].chat("myFeed","1")

OFFTOGGLEOFF ACTION เป็น

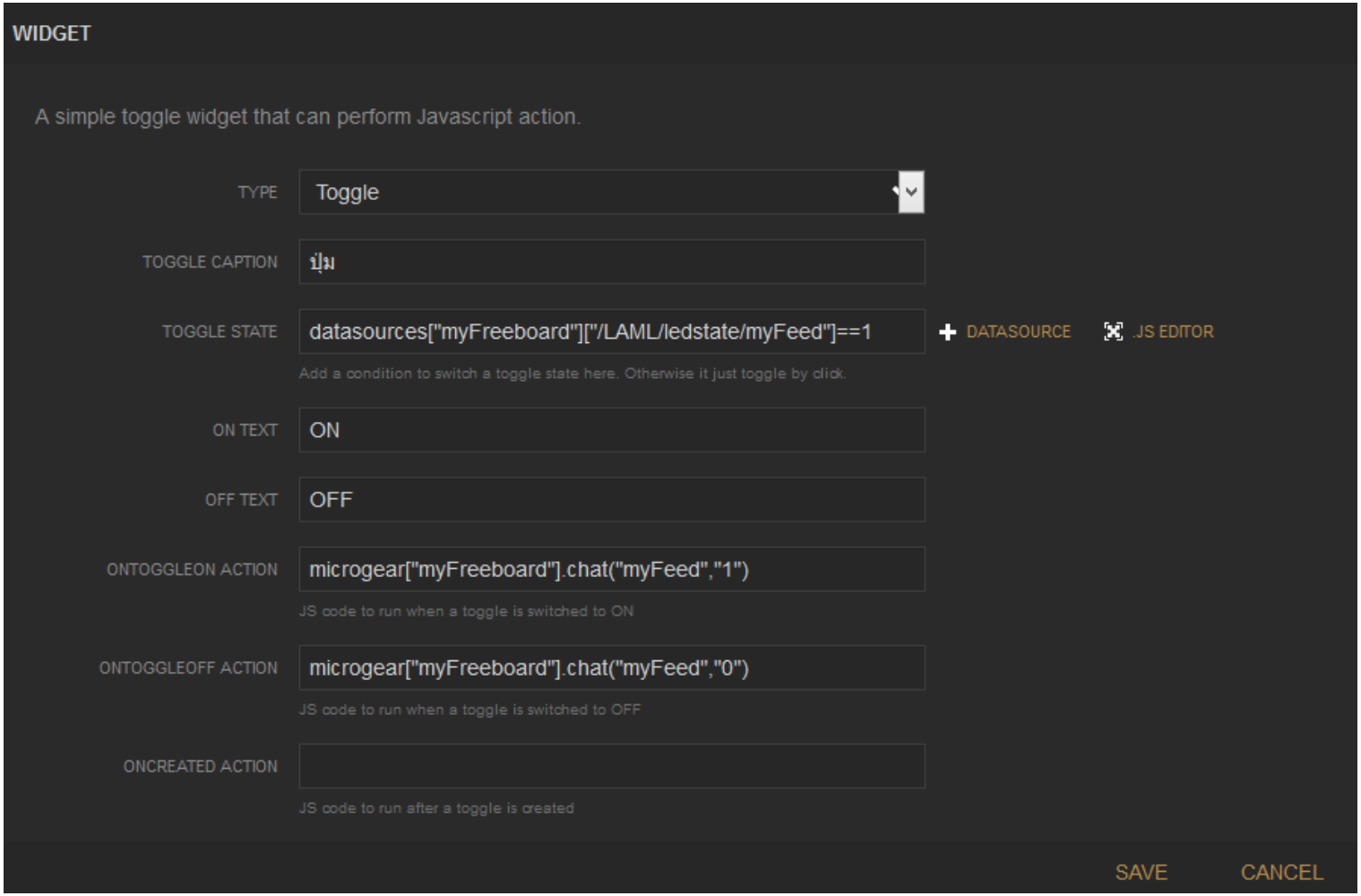
microgear["myFreeboard"].chat("myFeed",“0")

คลิกปุ่ม SAVE

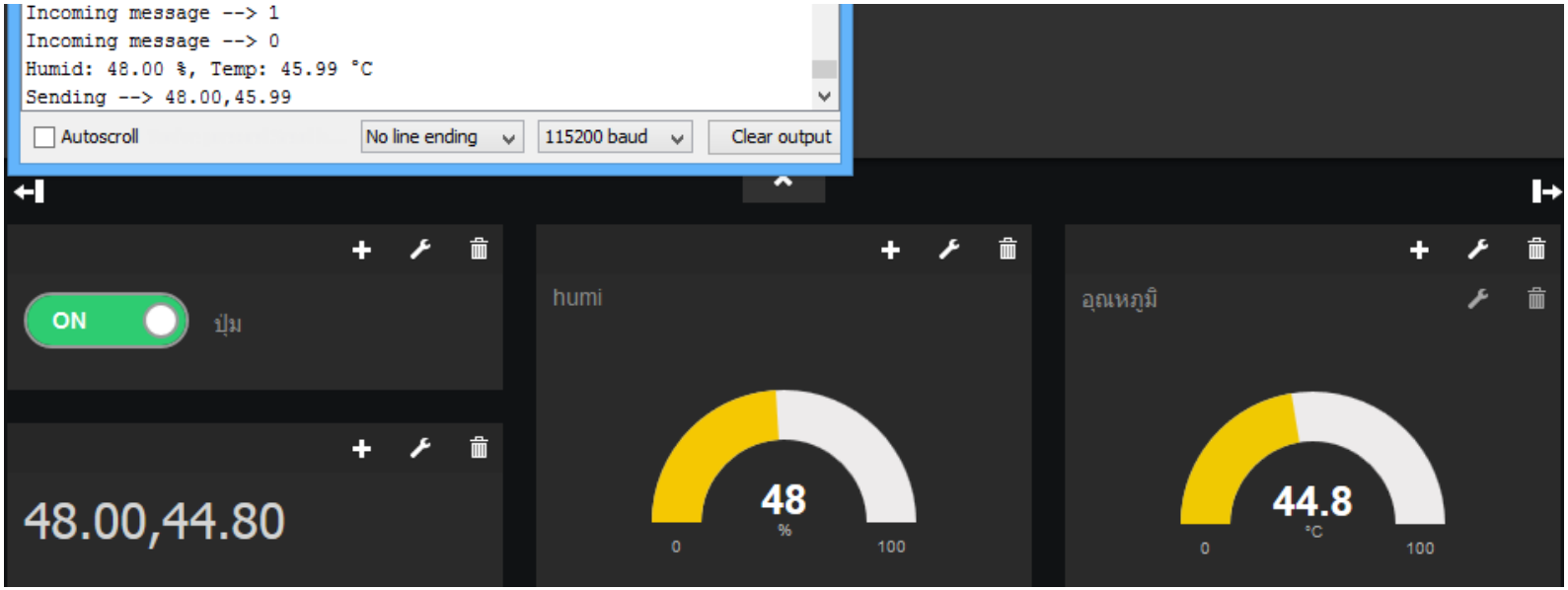
*** ==1 ต้องพิมพ์เพิ่มต่อท้ายเอง

*** microgear ต้องพิมพ์เพิ่ม

WIDGET


WIDGET
A simple toggle widget that can perform Javascript action.
TYPE
Toggle
TOGGLE CAPTION
เปิด
TOGGLE STATE
datasources["myFreeboard"]["/LAML/ledstate/myFeed"]==1
DATASOURCE
JS EDITOR
Add a condition to switch a toggle state here. Otherwise it just toggle by click.
ON TEXT
ON
OFF TEXT
OFF
ONTOGGLEON ACTION
microgear["myFreeboard"].chat("myFeed","1")
JS code to run when a toggle is switched to ON
ONTOGGLEOFF ACTION
microgear["myFreeboard"].chat("myFeed","0")
JS code to run when a toggle is switched to OFF
ONCREATED ACTION
JS code to run after a toggle is created
SAVE
CANCEL

Freeboard


Incoming message --> 1
Incoming message --> 0
Humid: 48.00 %, Temp: 45.99 °C
Sending --> 48.00,45.99
Autoscroll
No line ending
115200 baud
Clear output
ON
ปุ่ม
48.00,44.80
humi
48
%
0
100
อุณหภูมิ
44.8
°C
0
100

Project

LEBE