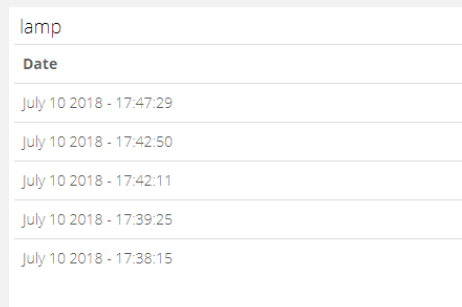
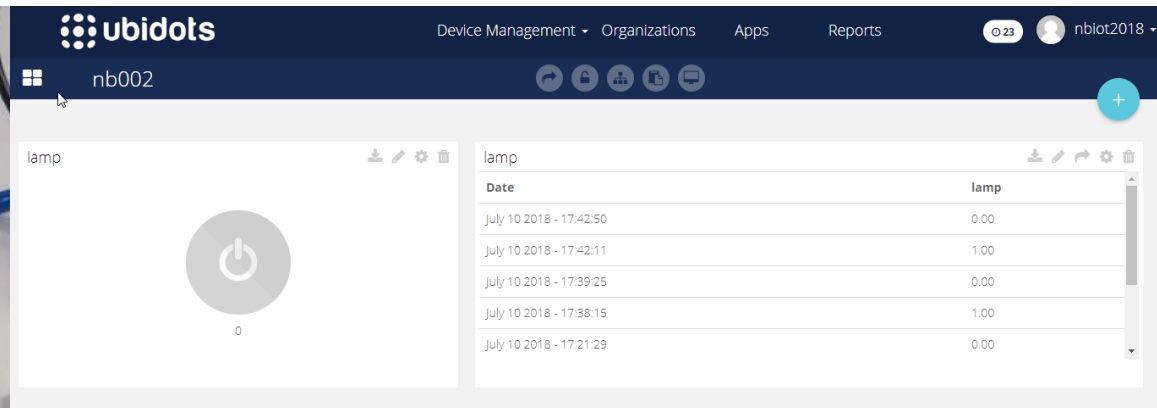


# Ubidots Platform

LED control by Ubidots platform

A screenshot of a Windows-style application window titled "COM4". The window contains a text area displaying the output of a device's boot sequence. At the top right of the window is a "Send" button. Below the text area are two dropdown menus: "No line ending" and "9600 baud". A checkbox labeled "Autoscroll" is checked at the bottom left. The text in the window shows the device starting up, identifying itself as "True\_NB\_BC95 Library by TrueIoT V1.0", initializing the modem, rebooting, connecting to the network, and displaying its IMEI and IMSI numbers. It also shows the IP address 10.224.1.43 and a series of "data:" messages indicating ongoing communication.


Starting...  
##### True\_NB\_BC95 Library by TrueIoT V1.0 #####  
initial Modem to connect NB-IoT Network  
Reboot done Connecting to Network  
IMEI = 863703031811578  
IMSI = 520045108300545  
register network Done  
10.224.1.43  
data:30  
data:30  
data:30  
data:30  
data:30  
data:30  
data:30  
data:30  
data:30  
data:30  
data:30  
data:30  
data:30  
data:30  
data:30  
data:30  
data:30  
data:31  
data:31  
data:31  
data:31  
data:31

☒ Autoscroll      No line ending      9600 baud

Looking for Ubidots for Education? [Click here](#) to login



#### SIGN IN

 nbiot2018

 .....

[Forgot password?](#)

SIGN IN

1. login

## Devices



nb001

4 Days Ago  
3 Variables

nb002

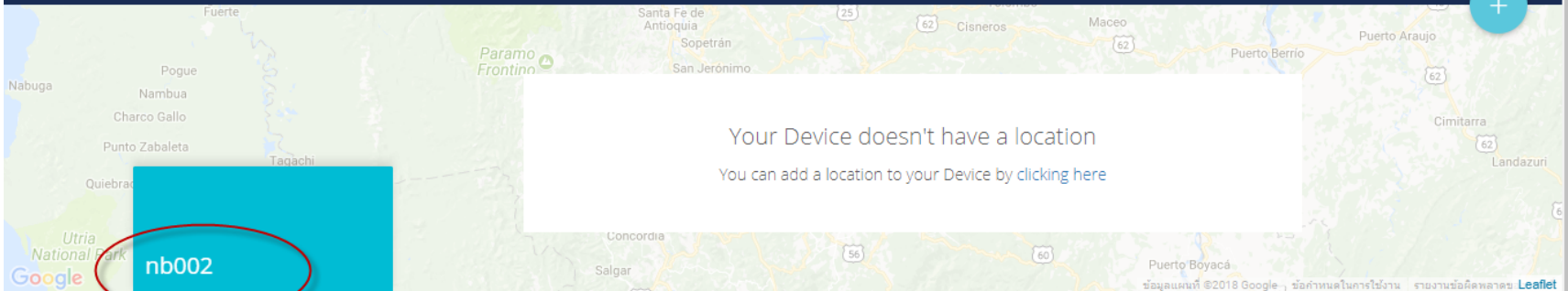
No Last Activity

2. Add new device "nb002"

3. คลิกบน Device เพื่อ Detail



## ← Devices



Your Device doesn't have a location

You can add a location to your Device by [clicking here](#)

nb002

Description

Click here to add a description

API Label ⓘ

nb002

ID ⓘ

nb002

Tags

Add tag

4. จด device label ไว้ใช้ใน Arduino Code

Add Variable



← → ↻ ปกติภัย <https://industrial.ubidots.com/ubi/datasources/#/detail/5b44649c642ab6742f677e74> ☆

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← Devices 🔍 ✎ 🗑️ ⬇️ 📊 📄 ⬇️

**5.1 คลิกไปที่เมนู API Credentials เพื่อ Token**

My Profile  
**API Credentials**  
How this works?  
Log out

Your Device doesn't have a location  
You can add a location to your Device by [clicking here](#)

**nb002**

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API Key Tokens  
**5.2 จด Token เอาไว้ใส่ใน Arduino code**

Default token

More

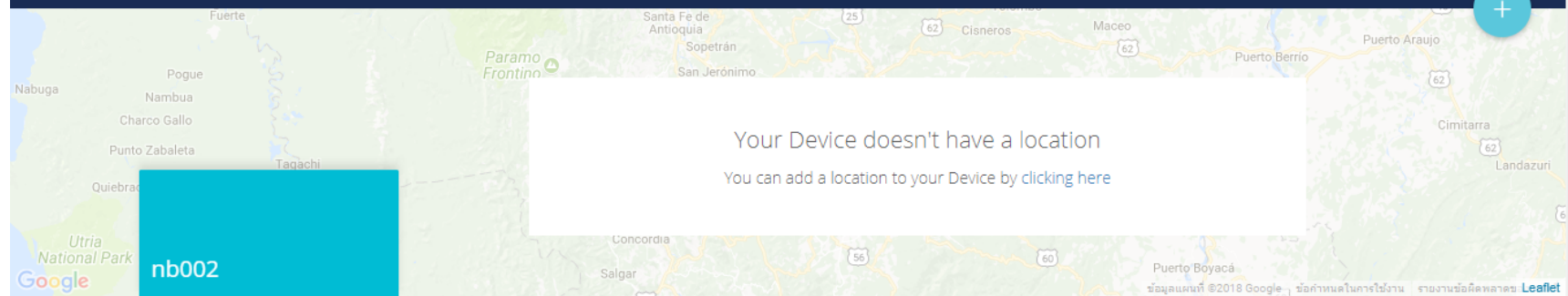
← Devices 🔍 ✎ 🗑️ ⬇️ 📊 📄 ⬇️

Your Device doesn't have a location  
You can add a location to your Device by [clicking here](#)

**nb002**

Description  
[Click here to add a description](#)

API Label ⓘ  
nb002

[← Devices](#)


Your Device doesn't have a location  
You can add a location to your Device by [clicking here](#)

**nb002**
**Description**
[Click here to add a description](#)
**API Label ⓘ**

nb002

**ID ⓘ**

5b4...19c64-nb002/7e1-1

**Tags**
[Add tag](#)
**Last Activity**

**6.3 ตั้งชื่อ lamp**

**lamp**

Last activity  
No last activity

**6.1 Add new variable**

**6.2**

Raw

Synthetic





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← Devices

**Dashboards**

Devices

Events

Parsers **BETA**

**7. คลิกไปที่ Dashboard**

your Device doesn't have a location  
You can add a location to your Device by clicking here

nb002

Description  
Click here to add a description

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**dash\_nb01**

**8. คลิกเพื่อ Add new dash board**

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Dashboard

Search dashboard

**9. ตั้งชื่อ**

nb002

**10. กดตกลง**

dash\_nb01

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Dashboard +

Search dashboard

11. คลิกเพื่อจัดการ Dashboard

nb002

dash\_nb01

humidity

lamp

ubidots

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nb002

Add widgets to see your data in real-time

Click on the + icon to add a Widget. If you haven't sent any data to Ubidots, check out our [API Docs](#) to get started.

12. Add new widget



## New Widget

How would you like to see your data?



Chart



Pie



Metric



Map



Table



Indicator



Control



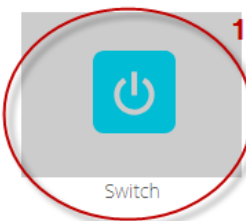
HTML Canvas

13. เลือกกลุ่ม Control

## New Widget

Select a Device

Select a Variable



Switch



Slider

14. Add new switch

15. เลือก Device ที่เพิ่งสร้างมา

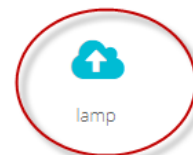


nb002



nb001

Filter Devices



lamp

16. เลือก Variable ที่เพิ่งสร้างมา

Filter Variables

## New Widget

Select a Variable

Filter Variables



lamp

Please provide the messages for your switch widget:

On message

1

17. กด 1 แทน status ON

Off message

0

18. กด 0 แทน status OFF

Finish

19. กด Finish





nb002



lamp



0

lamp

**20. Add table (Historical) ไม้ก็ได้รับ**  
**เพื่อดูประวัติการทำงาน**



Date	lamp
July 10 2018 - 17:21:29	0.00
July 10 2018 - 17:21:26	1.00
July 10 2018 - 17:18:12	0.00
July 10 2018 - 17:18:09	1.00

# ทดสอบการทำงาน

1. Download code Arduino:  
[https://github.com/chalitcha/TrueNB\\_Ubidots\\_ControllerLamp](https://github.com/chalitcha/TrueNB_Ubidots_ControllerLamp)
2. แก้ไข Token ในไฟล์ test\_trueNB\_ubidots1.ino
3. Upload program และ Run..
4. ต่อ LED ขา A ที่ PIN 13 ของ Board, ขา K ที่ PIN 14
5. เปิดหน้า Dashboard และทดสอบ ON/OFF switch จะเห็น LED ติดดับตาม Switch (จะ delay ประมาณ 5 วินาทีตามรอบที่ Board ดึงข้อมูลจาก Platform)

