



# Connecting NB-IoT Kit to Allthingstalk



Vincent Claes

<https://orange.allthingstalk.com>

Vincent Claes



## Sign in

*Username or Email*

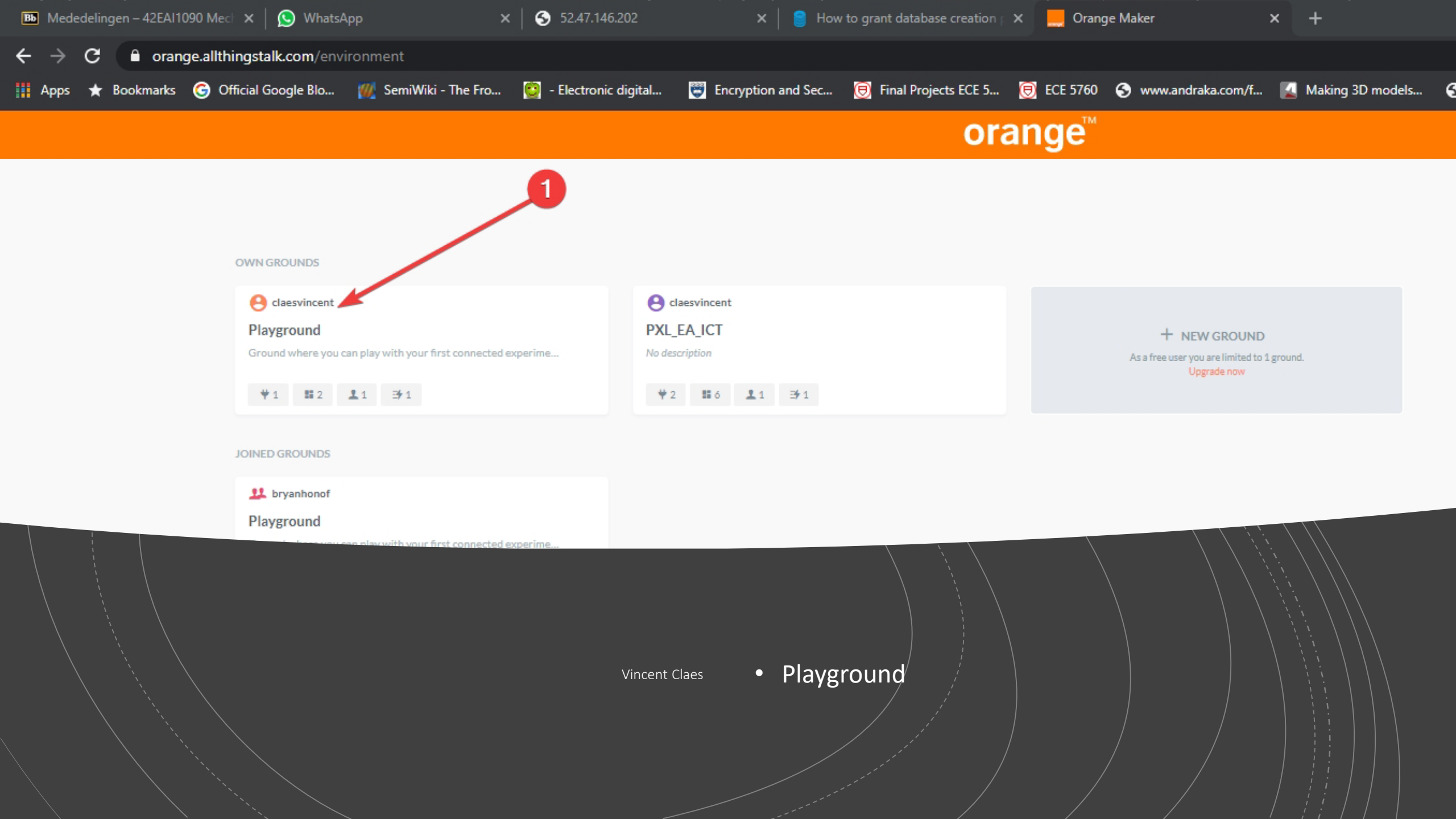
*Password*

SIGN IN


Forgot password?

Don't have an account yet? [Sign up](#)

Read our [Terms of Use](#)








OWN GROUNDS

 claesvincent

**Playground**





Ground where you can play with your first connected experime...


 1  2  1  1

 claesvincent

**PXL\_EA\_ICT**

No description


 2  6  1  1

 **NEW GROUND**

As a free user you are limited to 1 ground.

Upgrade now

JOINED GROUNDS

 bryanhonof

**Playground**

to be able you can play with your first connected experime...

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• Playground



Apps



Bookmarks



Official Google Blo...



SemiWiki - The Fro...



- Electronic d



Playground



DEVICES



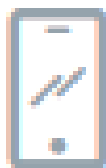
PULSE



PINBOARDS

+ NEW DEVICE

1



Your smartphone

You

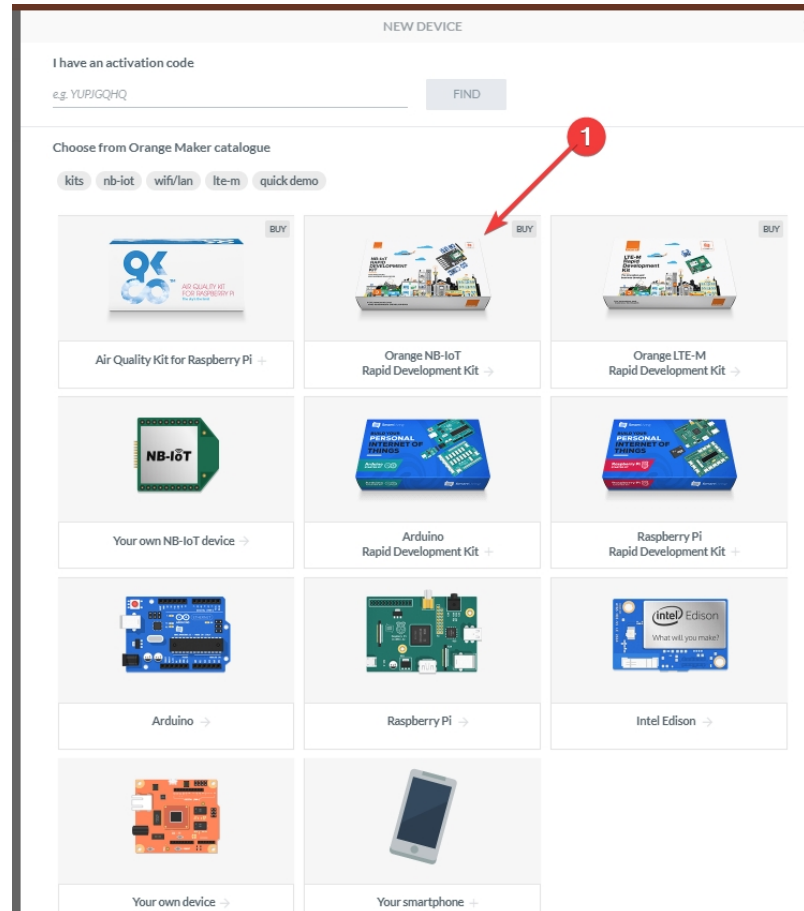


Quick Demo

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- Add New Device


# Orange NB-IoT Rapid Development Kit (RDK)






Select NB-IoT network provider

The NB-IoT network provider connects your device with the Internet to send data to the Cloud.



Region: Belgium

[CHOOSE](#)[visit website](#)

  
[Skip >](#)



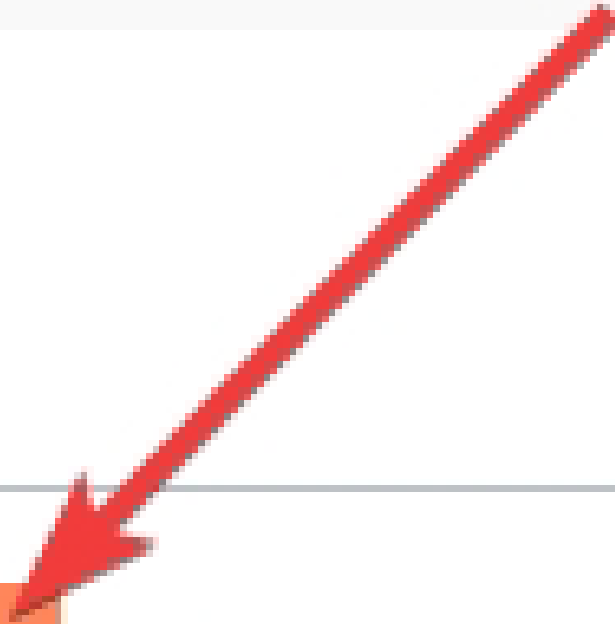
NEW DEVICE



Device name

TestBoard

CONNECT





orange.allthingstalk.com/ground/R4o14kIBIZdFs9Wtqr2tvvaG/devices



Apps



Bookmarks



Official Google Blo...



SemiWiki - The Fro...



- Electronic digital...



Encryp



Playground



DEVICES



PULSE



PINBOARDS



GATEWAYS



MEMBERS



RULES

+ NEW DEVICE



Your smartphone

You



Quick Demo



test

You



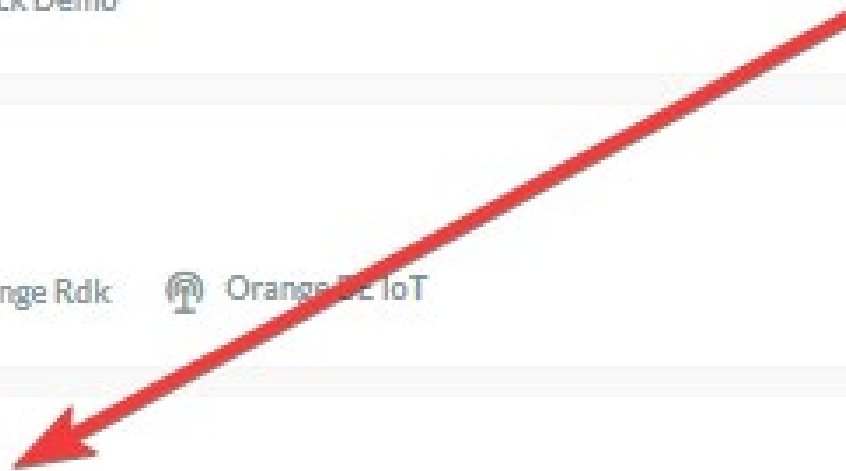
Orange Rdk



Orange 5G IoT



TestBoard





orange™

UPGRADE?🔔👤

TestBoardYou

+

SETTINGS

ASSETSLIVECHARTSDEBUG

SORT BY: LAST CREATEDVIEW AS:📄🗃️

+ NEW ASSET

Gpsgps

sensorobject

Motionmotion

sensortboolean

Air qualityair\_quality

sensortinteger

Lightlight

sensortnumber

Loudnessloudness

sensortnumber

Humidityhumidity

sensortnumber

Pressurepressure

sensortnumber

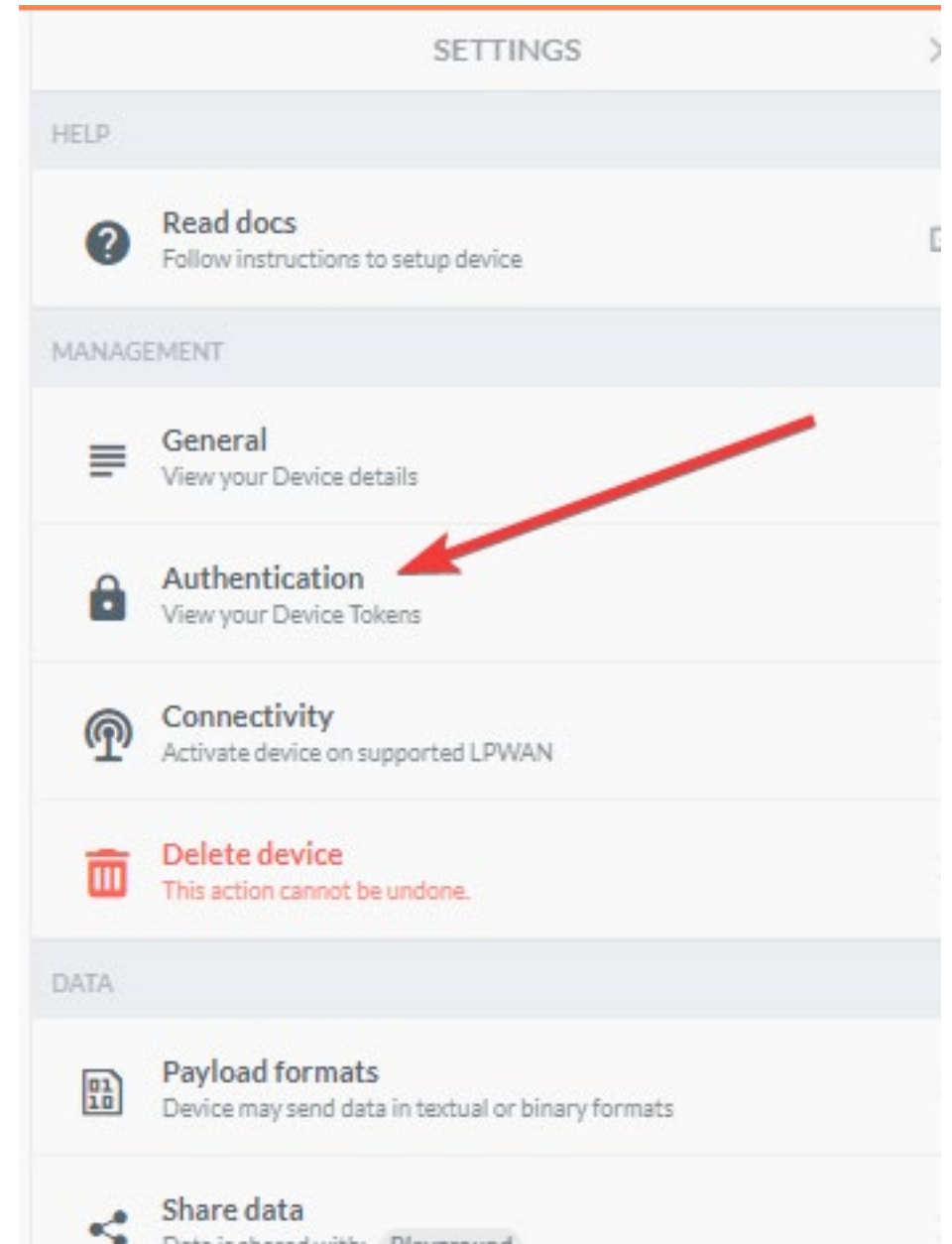
Temperaturetemperature

sensortnumber

Countercounter

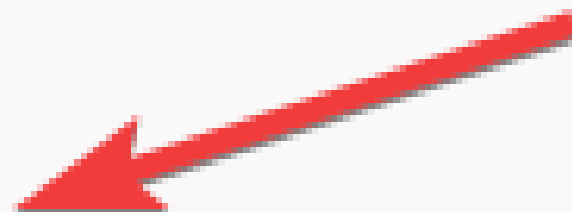
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- Authentication tokens



Learn more about authenticating devices on [docs](#).  .

## Device ID



## Device Tokens

You can use any of the following Device Tokens to authenticate your device.

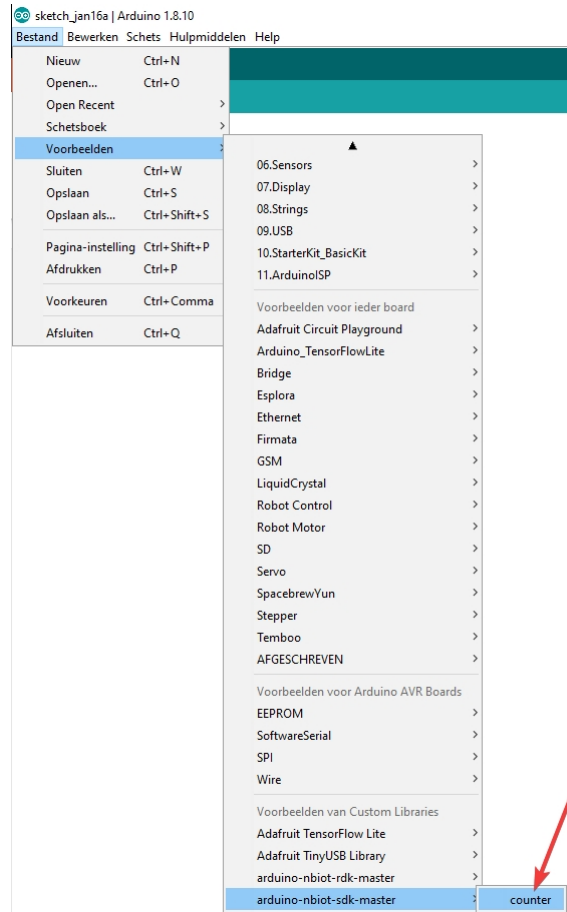


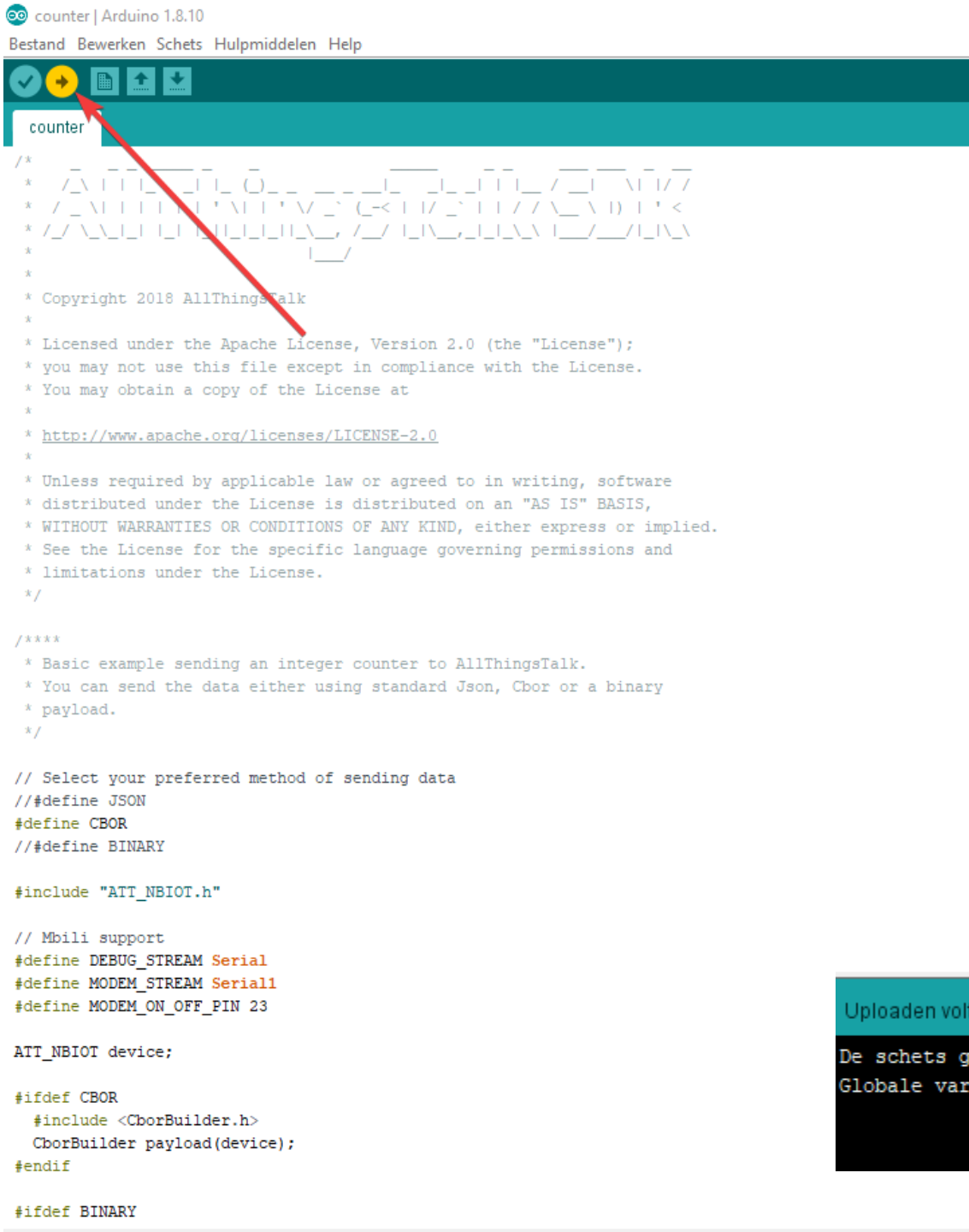
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- Browse and open the **keys.h** file located in the *arduino-nbiot-sdk-master* Library folder, by default you can find it in
  - *Mydocuments/Arduino/Libraries/Arduino-nbiot-sdk-master* folder for Windows

```
/*  
 * Enter your AllThingsTalk device credentials below  
 */  
#ifndef KEYS_h  
#define KEYS_h  
const char* DEVICE_ID = "LA1Sn4yuYx16YBAABqQQnSan";  
const char* DEVICE_TOKEN = "maker:4VyRL0fr22kOm01qFyHqw3gE91MahfK1Q3zEfRg0";  
const char* APN = "starter.att.iot";  
#endif
```

# Counter Example Arduino IDE



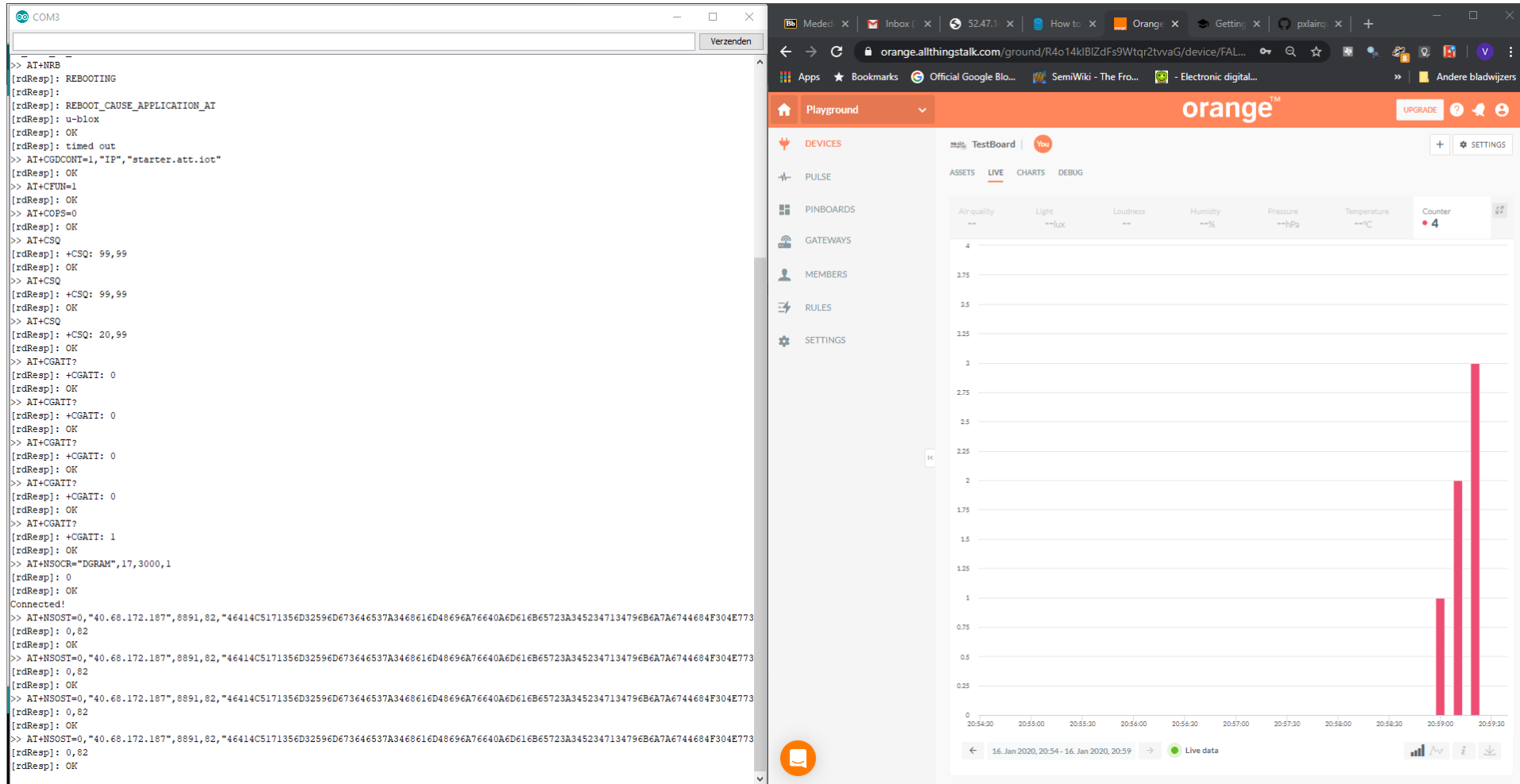


# Upload

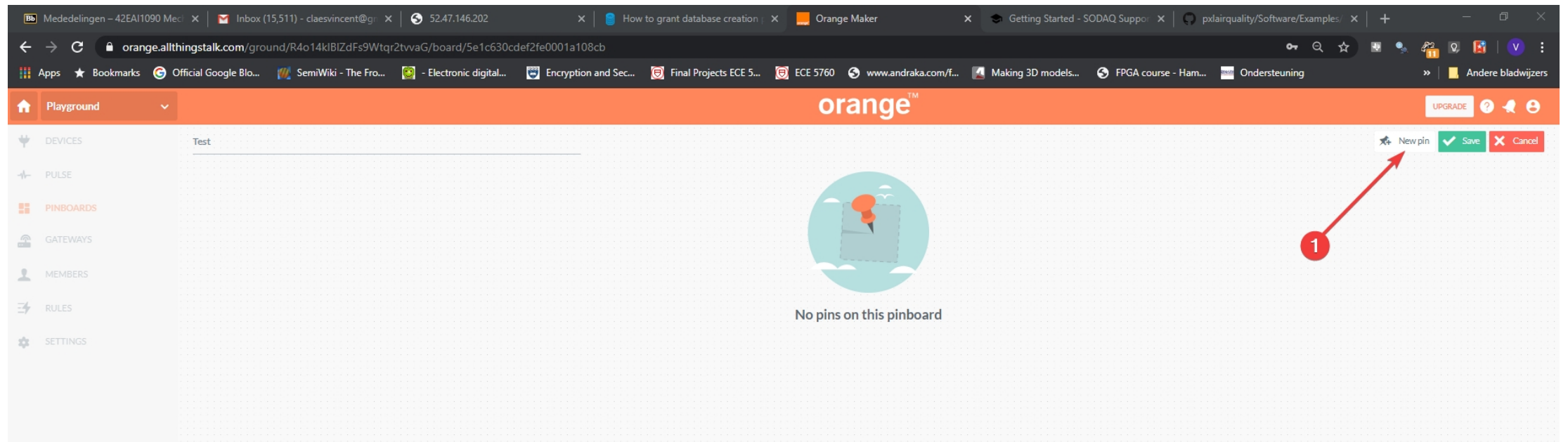
Uploaden voltooid.

De schets gebruikt 13128 bytes (10%) programma-opslagruimte. Maximum is 130048 bytes.  
Globale variabelen gebruiken 1141 bytes van het dynamisch geheugen.

# Serial Debug and Allthingstalk web platform



# Create New Pinboard






# Bar Chart

PIN CONTROL ×

Choose a control

 Chart ▾

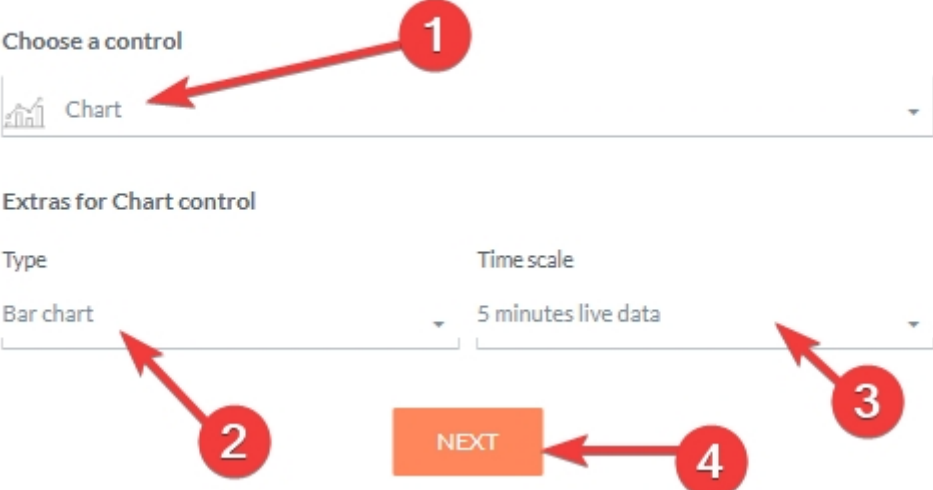
Extras for Chart control

Type Time scale

Bar chart ▾ 5 minutes live data ▾

**2** **3**

**4** NEXT



The diagram illustrates the configuration steps for a Bar Chart control in a PIN CONTROL interface. Red arrows and numbered circles highlight the following steps:

- 1**: Selecting the 'Chart' control from the 'Choose a control' dropdown.
- 2**: Selecting 'Bar chart' from the 'Type' dropdown under 'Extras for Chart control'.
- 3**: Selecting '5 minutes live data' from the 'Time scale' dropdown.
- 4**: Clicking the 'NEXT' button to proceed.

# Asset

The screenshot shows a mobile application interface titled "PIN CONTROL > CHART". It contains two dropdown menus and a "PIN" button. Red arrows with numbers 1, 2, and 3 point to the following elements:

- 1**: Points to the "Choose a device" dropdown menu, which currently displays "TestBoard".
- 2**: Points to the "Choose an asset" dropdown menu, which currently displays "Counter" and has two selectable options, "sensor" and "integer", below it.
- 3**: Points to the "PIN" button, which is an orange rectangle.

# View Pin on Pinboard

