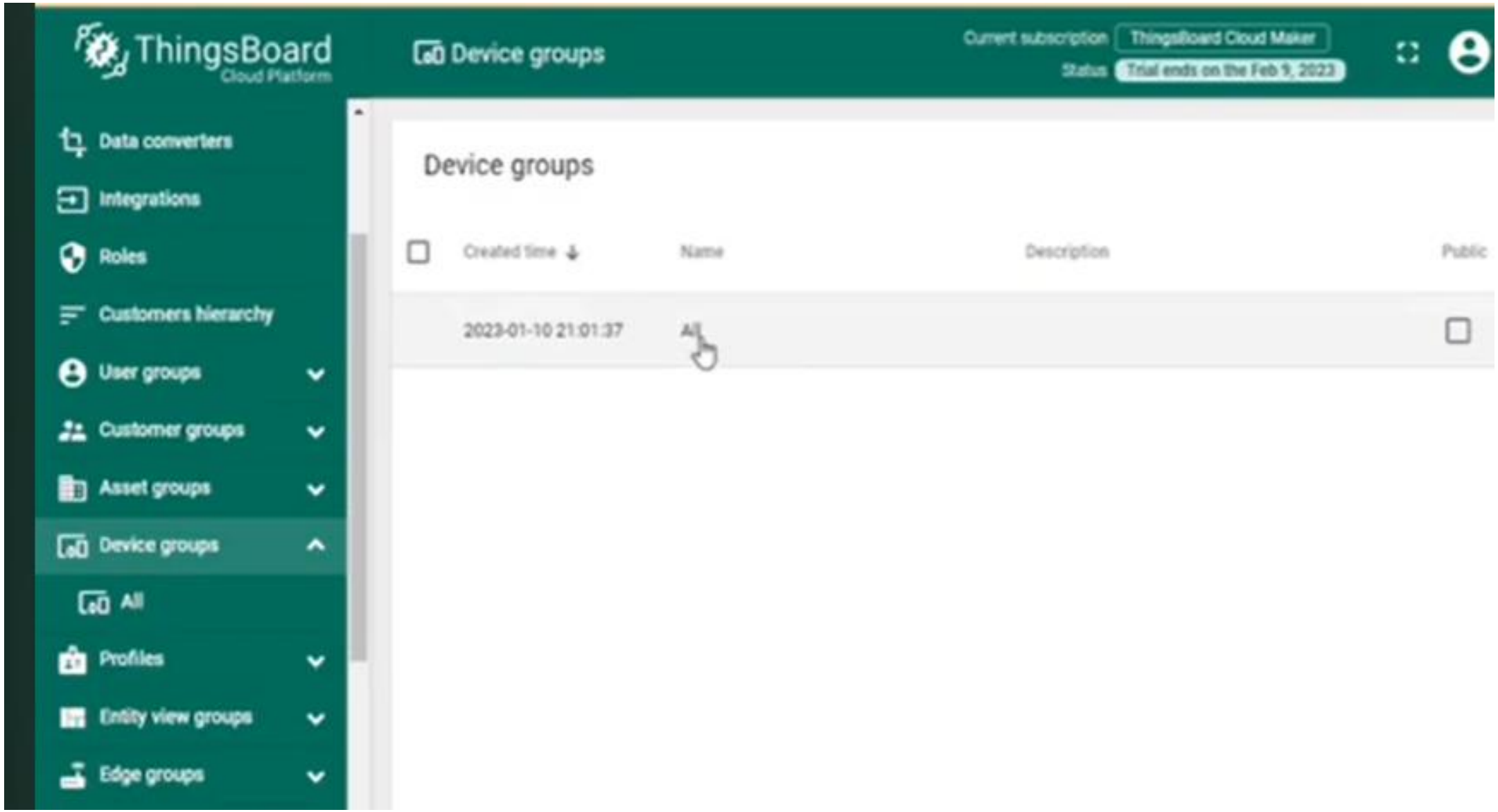
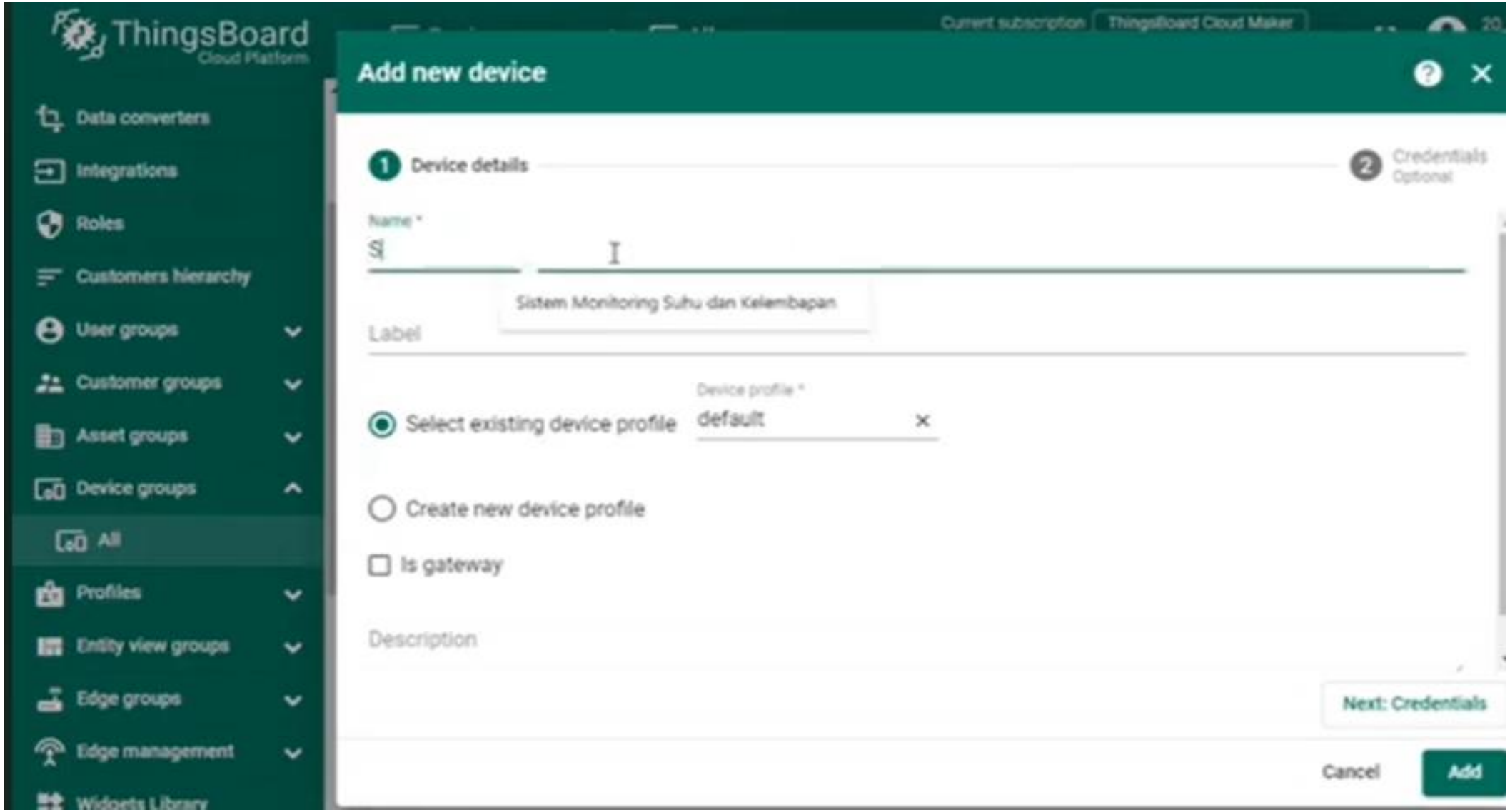
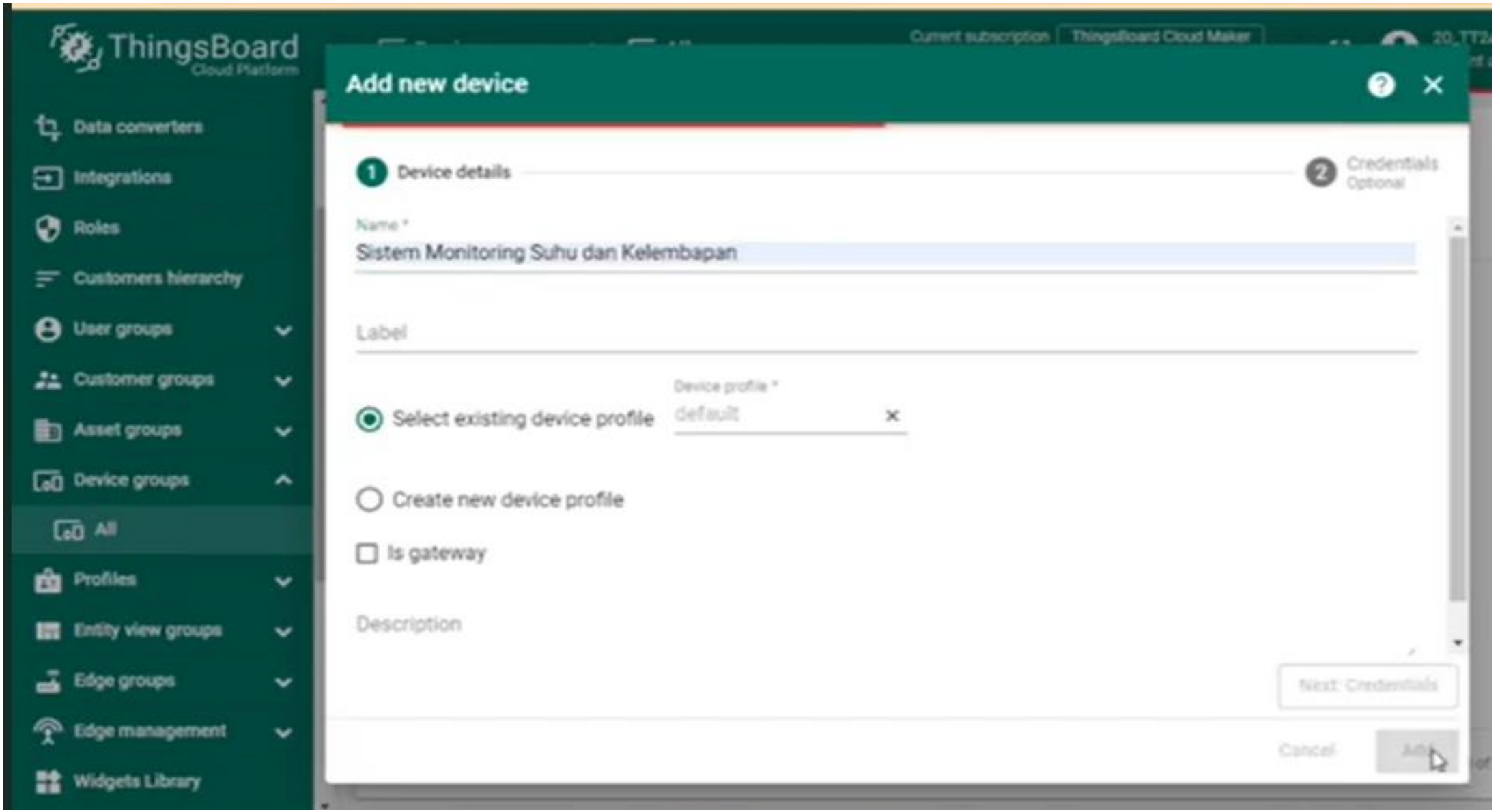
Thingsboard


ThingsBoard
Cloud Platform
Device groups
Current subscription
ThingsBoard Cloud Maker
Status
Trial ends on the Feb 9, 2023
Data converters
Integrations
Roles
Customers hierarchy
User groups
Customer groups
Asset groups
Device groups
All
Profiles
Entity view groups
Edge groups
Device groups
Created time
Name
Description
Public
2023-01-10 21:01:37
All


ThingsBoard
Cloud Platform
Current subscription
ThingsBoard Cloud Maker
Data converters
Integrations
Roles
Customers hierarchy
User groups
Customer groups
Asset groups
Device groups
All
Profiles
Entity view groups
Edge groups
Edge management
Widgets Library
Add new device
1 Device details
2 Credentials
Optional
Name *
Sistem Monitoring Suhu dan Kelembapan
Label
Device profile *
Select existing device profile
default
Create new device profile
Is gateway
Description
Next: Credentials
Cancel
Add


ThingsBoard
Cloud Platform
Current subscription
ThingsBoard Cloud Maker
Data converters
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Roles
Customers hierarchy
User groups
Customer groups
Asset groups
Device groups
All
Profiles
Entity view groups
Edge groups
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Widgets Library
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1 Device details
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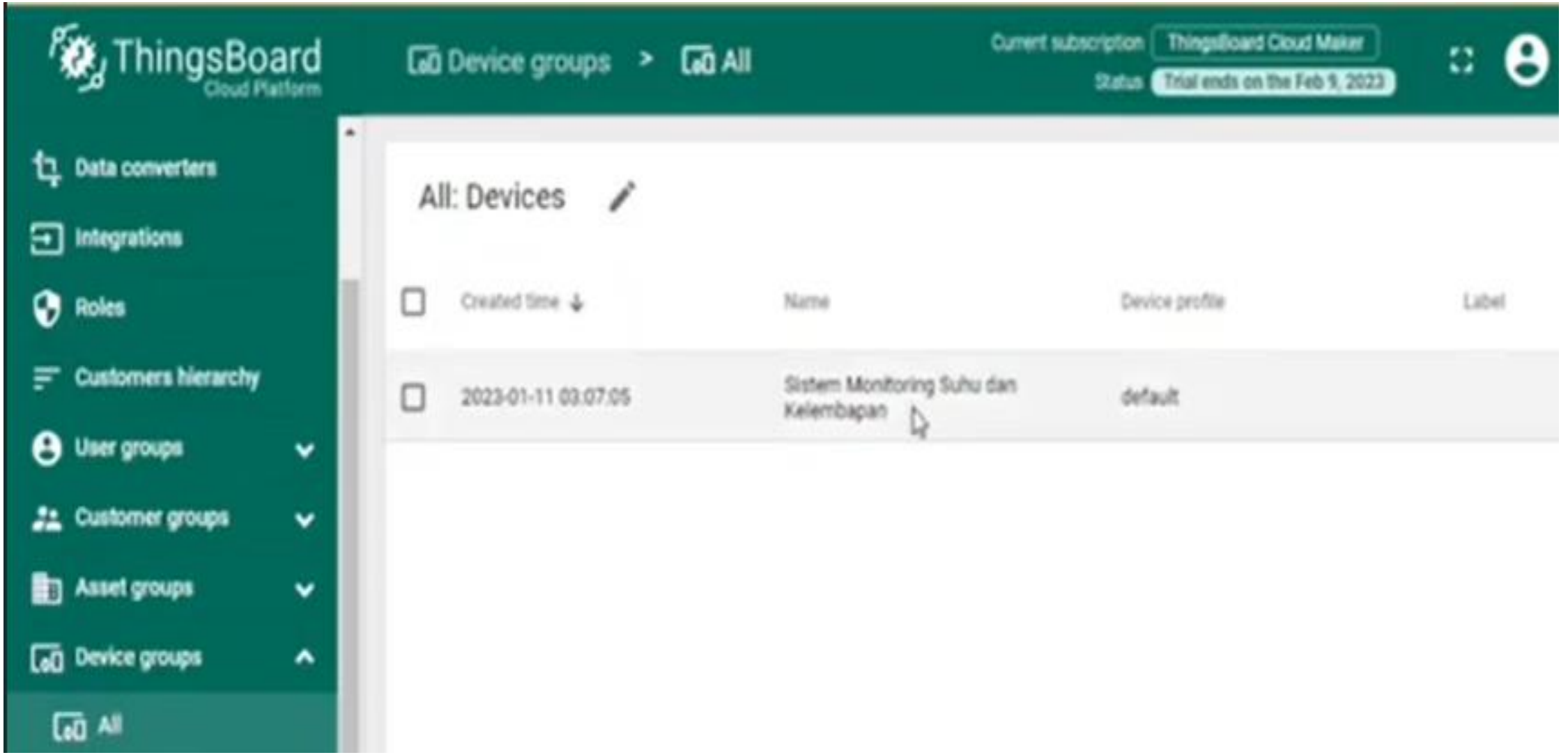
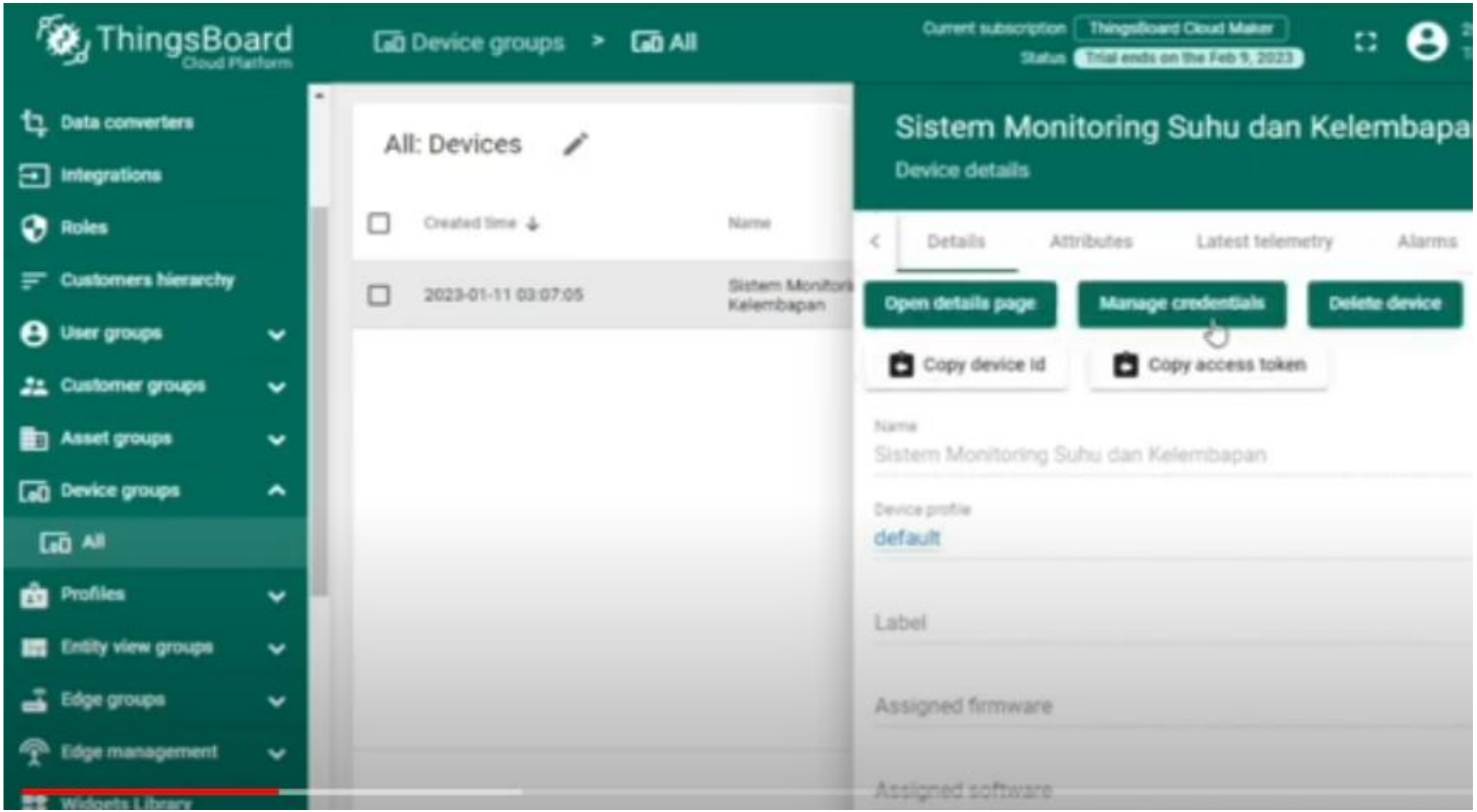
Name *
Sistem Monitoring Suhu dan Kelembapan
Label
Device profile *
default
Select existing device profile
Create new device profile
Is gateway
Description
Next: Credentials
Cancel
Add


ThingsBoard
Cloud Platform
Device groups > All
Current subscription
ThingsBoard Cloud Maker
Status
Trial ends on the Feb 9, 2023
Data converters
Integrations
Roles
Customers hierarchy
User groups
Customer groups
Asset groups
Device groups
All
All: Devices
Created time
Name
Device profile
Label
2023-01-11 03:07:05
Sistem Monitoring Suhu dan Kelembapan
default


ThingsBoard
Cloud Platform
Device groups > All
Current subscription
ThingsBoard Cloud Maker
Status
Trial ends on the Feb 9, 2023
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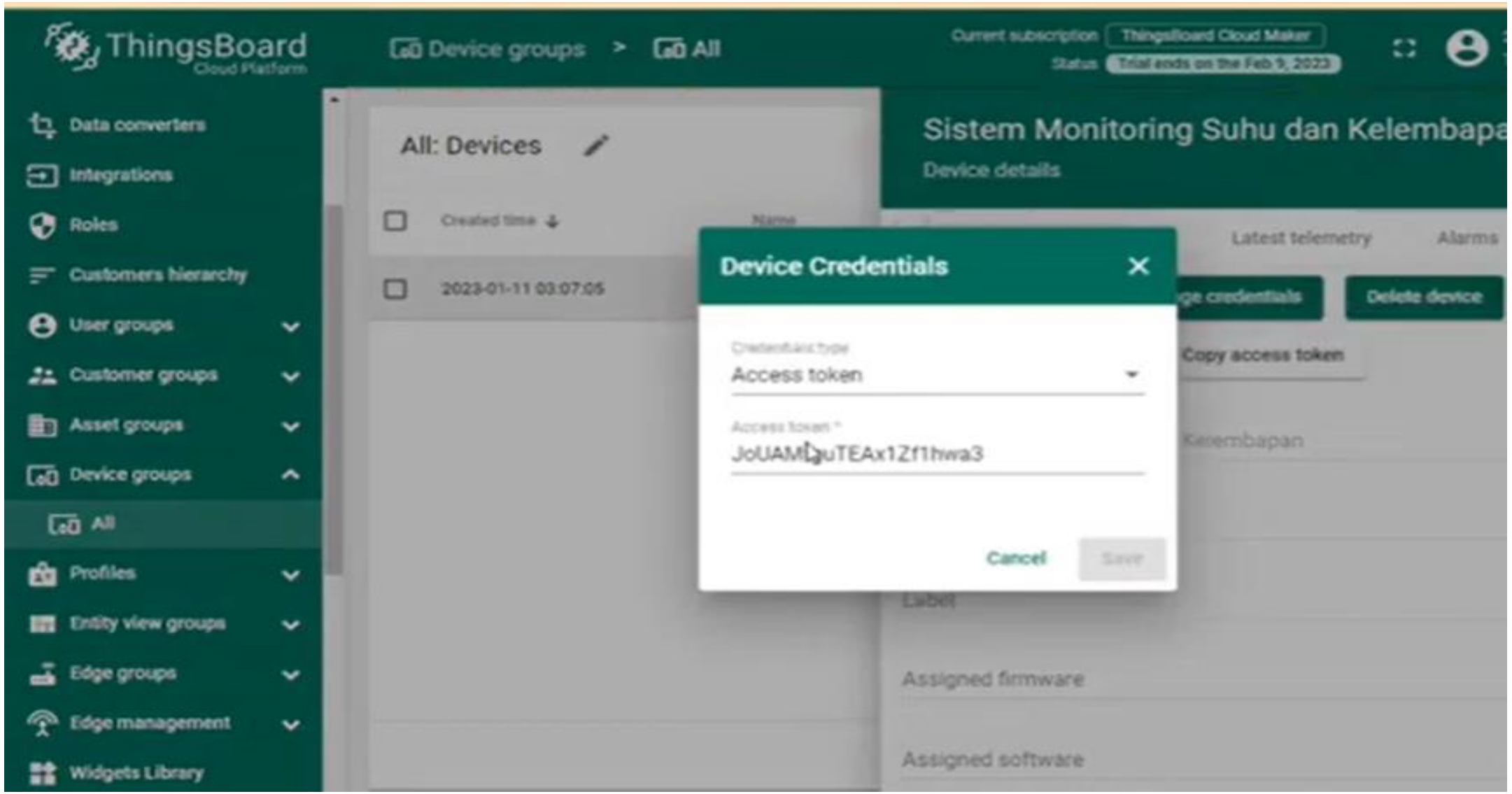
Integrations
Roles
Customers hierarchy
User groups
Customer groups
Asset groups
Device groups
All
Profiles
Entity view groups
Edge groups
Edge management
Widgets Library
All: Devices
Created time
Name
2023-01-11 03:07:05
Sistem Monitoring Kelembapan
Sistem Monitoring Suhu dan Kelembapa
Device details
Details
Attributes
Latest telemetry
Alarms
Open details page
Manage credentials
Delete device
Copy device id
Copy access token
Nama
Sistem Monitoring Suhu dan Kelembapan
Device profile
default
Label
Assigned firmware
Assigned software


ThingsBoard
Cloud Platform
Device groups > All
Current subscription
ThingsBoard Cloud Maker
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Trial ends on the Feb 9, 2023
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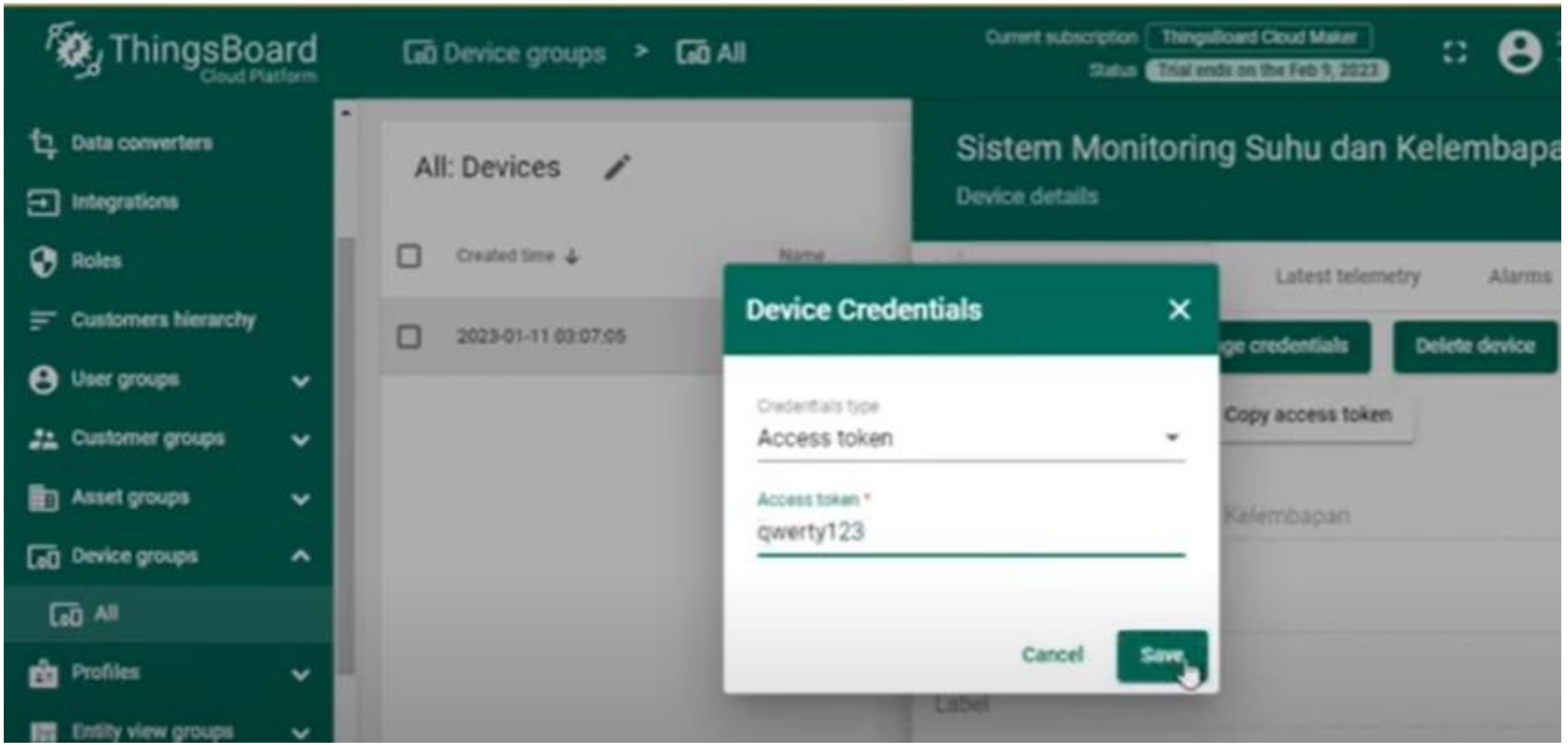
User groups
Customer groups
Asset groups
Device groups
All
Profiles
Entity view groups
Edge groups
Edge management
Widgets Library
All: Devices
Created time
Name
2023-01-11 03:07:05
Sistem Monitoring Suhu dan Kelembapa
Device details
Latest telemetry
Alarms
Delete device
Copy access token
Kelembapan
Label
Assigned firmware
Assigned software
Device Credentials
Credentials type
Access token
Access token *
JoUAMguTEAx1Zf1hwa3
Cancel
Save

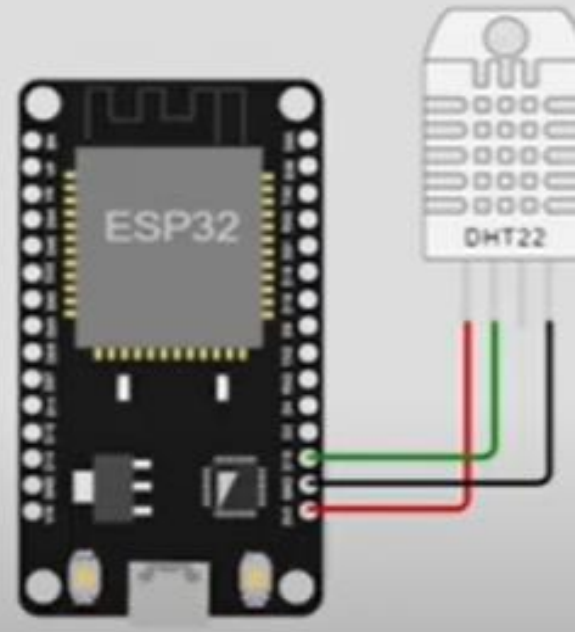

ThingsBoard
Cloud Platform
Device groups > All
Current subscription
ThingsBoard Cloud Maker
Status
Trial ends on the Feb 3, 2023
Data converters
Integrations
Roles
Customers hierarchy
User groups
Customer groups
Asset groups
Device groups
All
Profiles
Entity view groups
All: Devices
Created time
Name
2023-01-11 03:07:05
Sistem Monitoring Suhu dan Kelembapa
Device details
Latest telemetry
Alarms
Delete device
Copy access token
Kelembapan
Device Credentials
Credentials type
Access token
Access token *
qwerty123
Cancel
Save

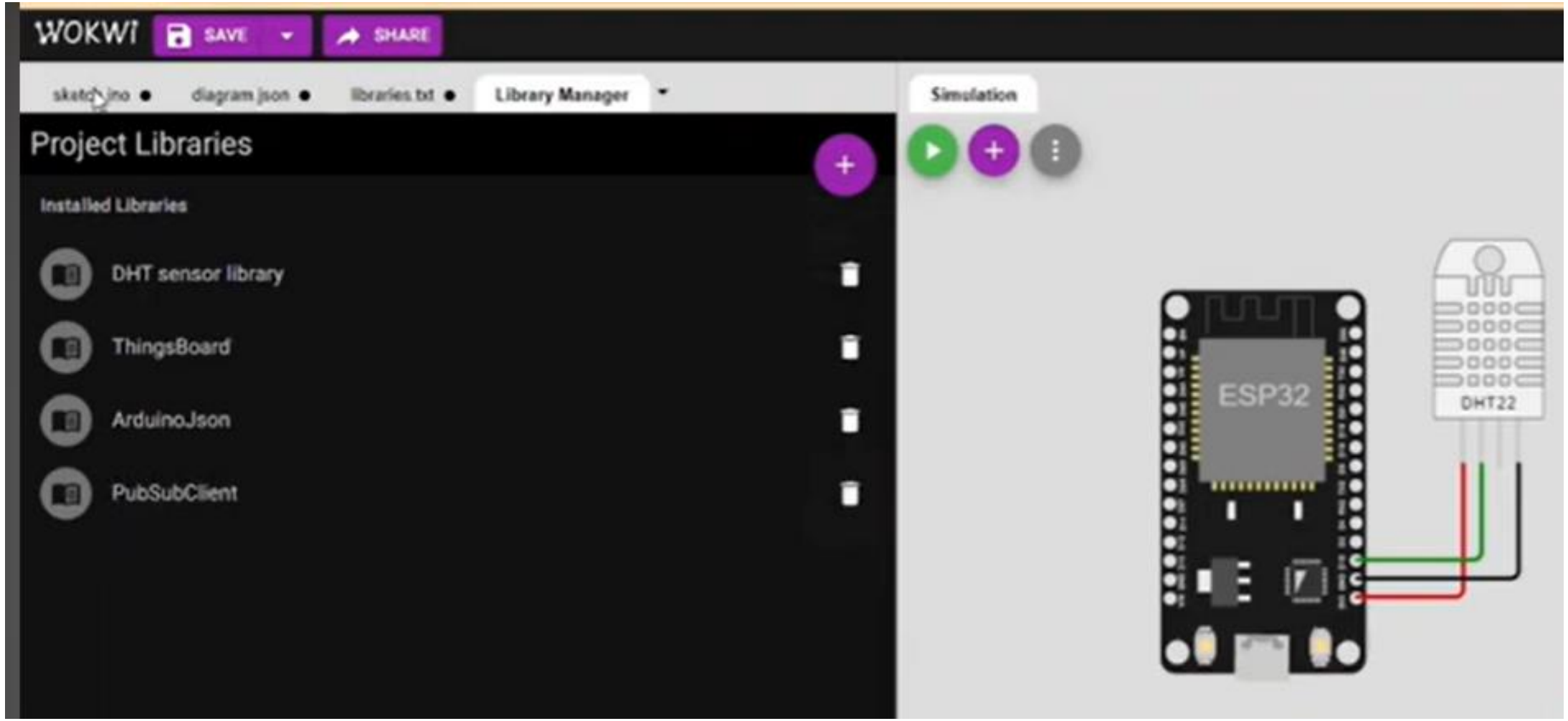
WOKWI SAVE SHARE

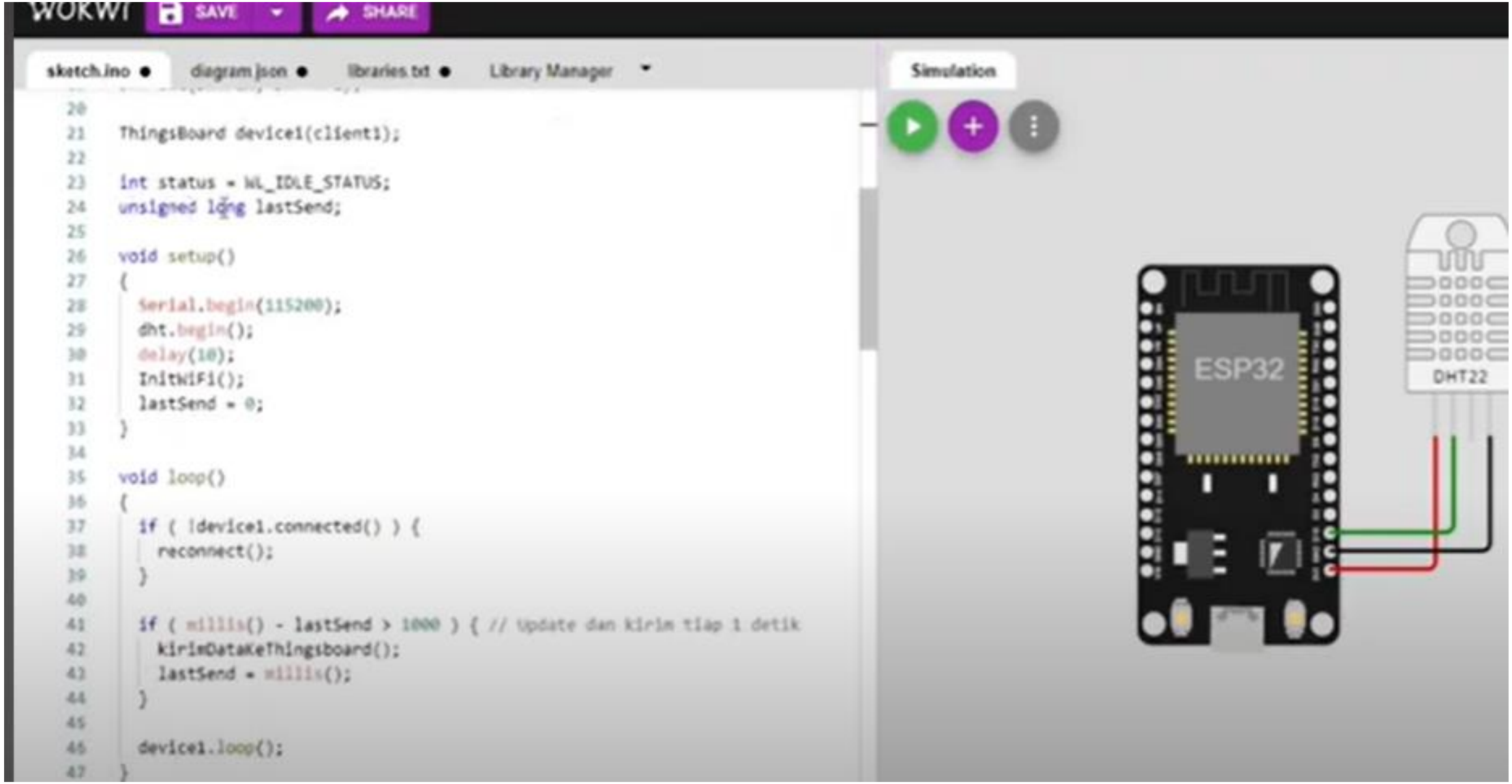
sketch.ino ● diagram.json ● libraries.txt ● Library Manager

```
#include "DHT.h"
#include <WiFi.h>
#include <ThingsBoard.h>

#define WIFI_AP "Wokwi-GUEST"
#define WIFI_PASSWORD ""

#define TOKEN "qwerty123"

// DHT
#define DHTPIN 15
#define DHTTYPE DHT22

char thingsboardServer[] = "thingsboard.cloud";

WiFiClient client1;

// Initialize DHT sensor.
DHT dht(DHTPIN, DHTTYPE);

ThingsBoard device1(client1);

int status = WL_IDLE_STATUS;
unsigned long lastSend;

void setup()
{
  Serial.begin(115200);
```

Simulation



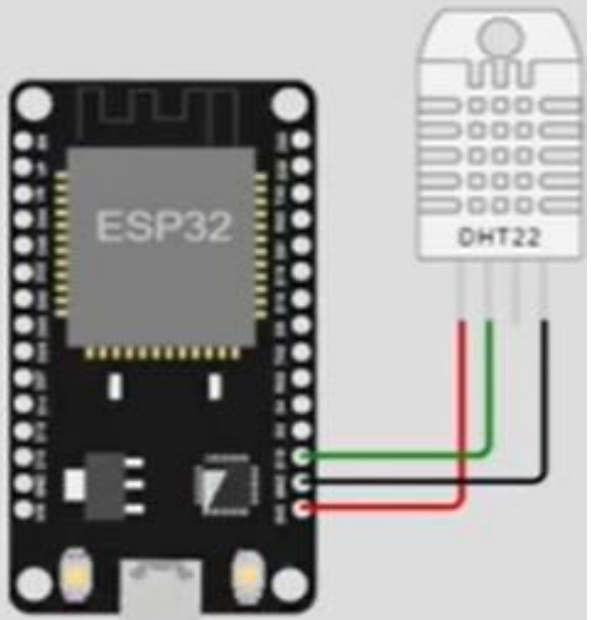

WOKWI
SAVE
SHARE
sketch.ino
diagram.json
libraries.txt
Library Manager
Project Libraries
Installed Libraries
DHT sensor library
ThingsBoard
ArduinoJson
PubSubClient
Simulation
ESP32
DHT22


WOKWI
SAVE
SHARE
sketch.ino
diagram.json
libraries.txt
Library Manager
ThingsBoard device1(client1);
int status = WL_IDLE_STATUS;
unsigned long lastSend;
void setup()
{
Serial.begin(115200);
dht.begin();
delay(10);
InitWiFi();
lastSend = 0;
}
void loop()
{
if (!device1.connected()) {
reconnect();
}
if (millis() - lastSend > 1000) { // Update dan kirim tiap 1 detik
kirimDataKeThingsboard();
lastSend = millis();
}
device1.loop();
}
Simulation
ESP32
DHT22

sketch.ino ● diagram.json ● libraries.txt ● Library Manager

```
48
49  void kirimDataKeThingsboard()
50  {
51    Serial.println("Mengambil data sensor");
52
53    // Reading temperature atau humidity
54    float humidity = dht.readHumidity();
55    //  temperature dlm Celsius
56    float temperature = dht.readTemperature();
57
58    // cek jika gagal membaca sensor.
59    if (isnan(humidity) || isnan(temperature)) {
60      Serial.println("Gagal membaca sensor DHT!");
61      return;
62    }
63
64    Serial.println("Mengirim data ke ThingsBoard:");
65    Serial.print("Humidity: ");
66    Serial.print(humidity);
67    Serial.print(" %\t");
68    Serial.print("Temperature: ");
69    Serial.print(temperature);
70    Serial.println(" °C ");
71
72    device1.sendTelemetryFloat("temperature", temperature);
73    device1.sendTelemetryFloat("humidity", humidity);
74  }
75
76  void InitWiFi()
77  {
```

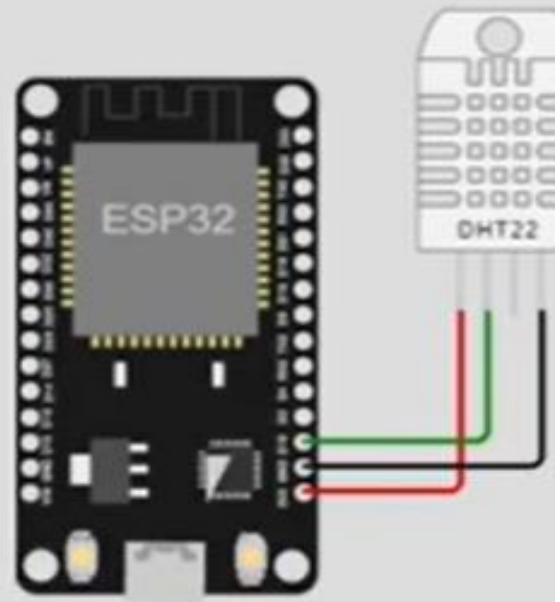
Simulation



sketch.ino ● diagram.json ● libraries.txt ● Library Manager

```
76  void InitWiFi()
77  {
78    Serial.println("Menghubungkan ...");
79    // mencoba koneksi ke WiFi
80
81    WiFi.begin(WIFI_AP, WIFI_PASSWORD);
82    while (WiFi.status() != WL_CONNECTED) {
83      delay(500);
84      Serial.print(".");
85    }
86    Serial.println("Berhasil terhubung!");
87  }
88
89  void reconnect() {
90    // diulang sampai reconnected
91    while (!device1.connected()) {
92      status = WiFi.status();
93      if ( status != WL_CONNECTED) {
94        WiFi.begin(WIFI_AP, WIFI_PASSWORD);
95        while (WiFi.status() != WL_CONNECTED) {
96          delay(500);
97          Serial.print(".");
98        }
99        Serial.println("Berhasil terhubung!");
100     }
101     Serial.print("Menghubungkan ke ThingsBoard node ...");
102     if ( device1.connect(thingsboardServer, TOKEN) ) {
103       Serial.println( "[DONE]" );
104     } else {
105       Serial.print( "[FAILED]" );
```

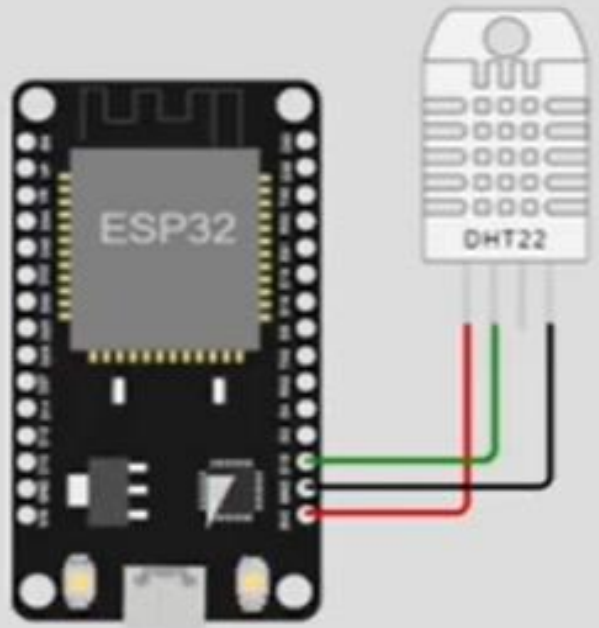
Simulation

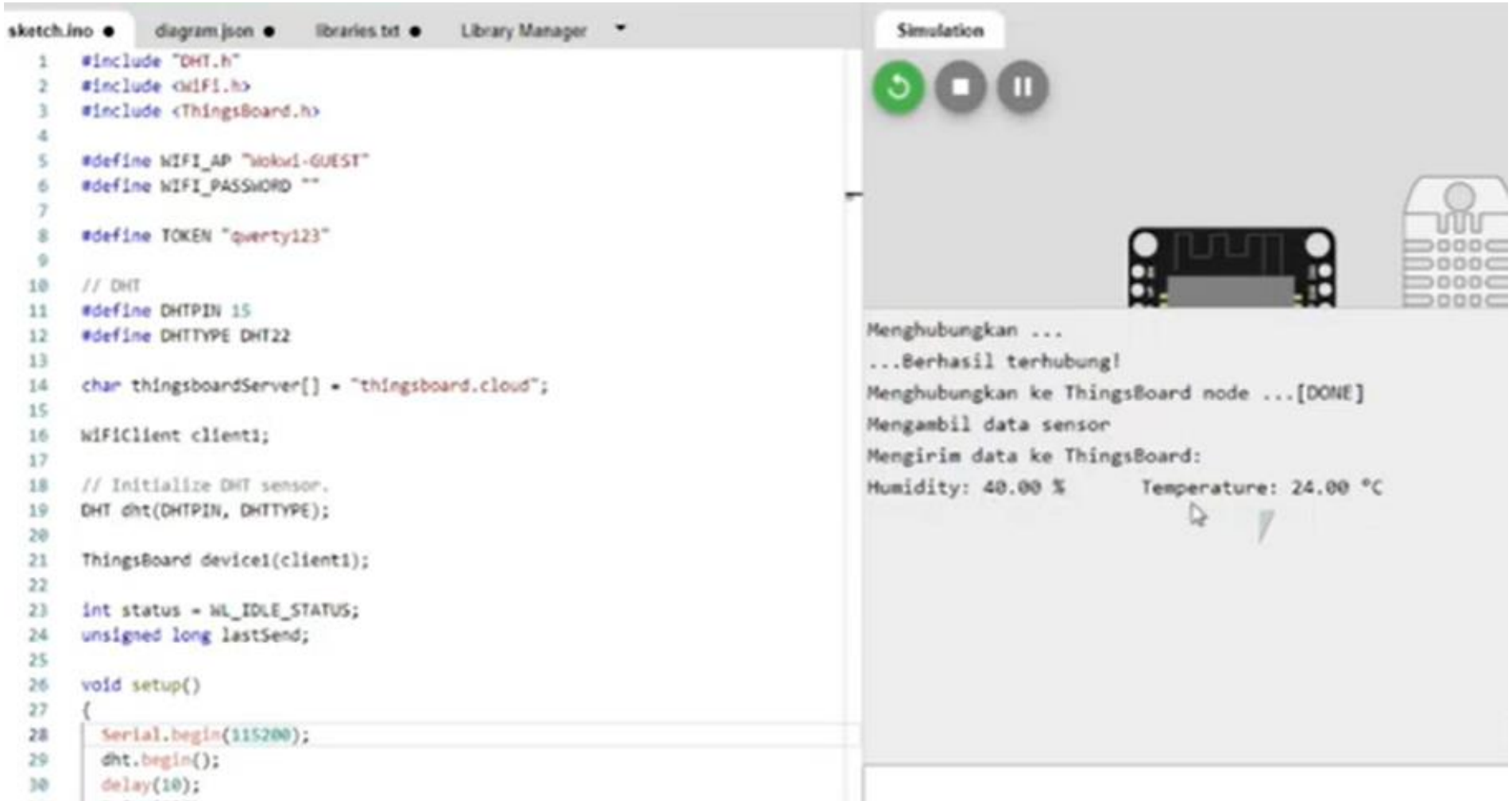


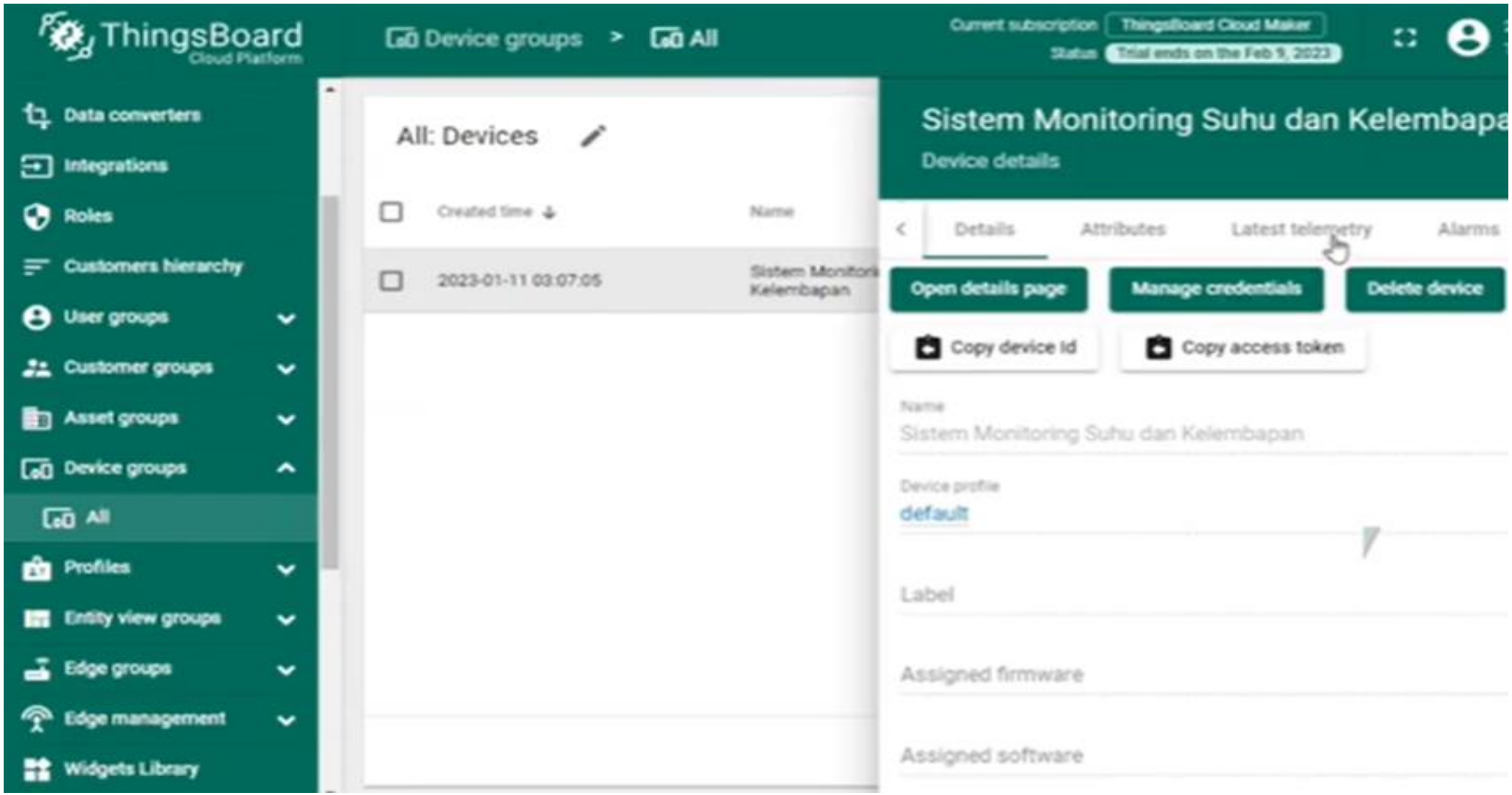
sketch.ino ● diagram.json ● libraries.txt ● Library Manager

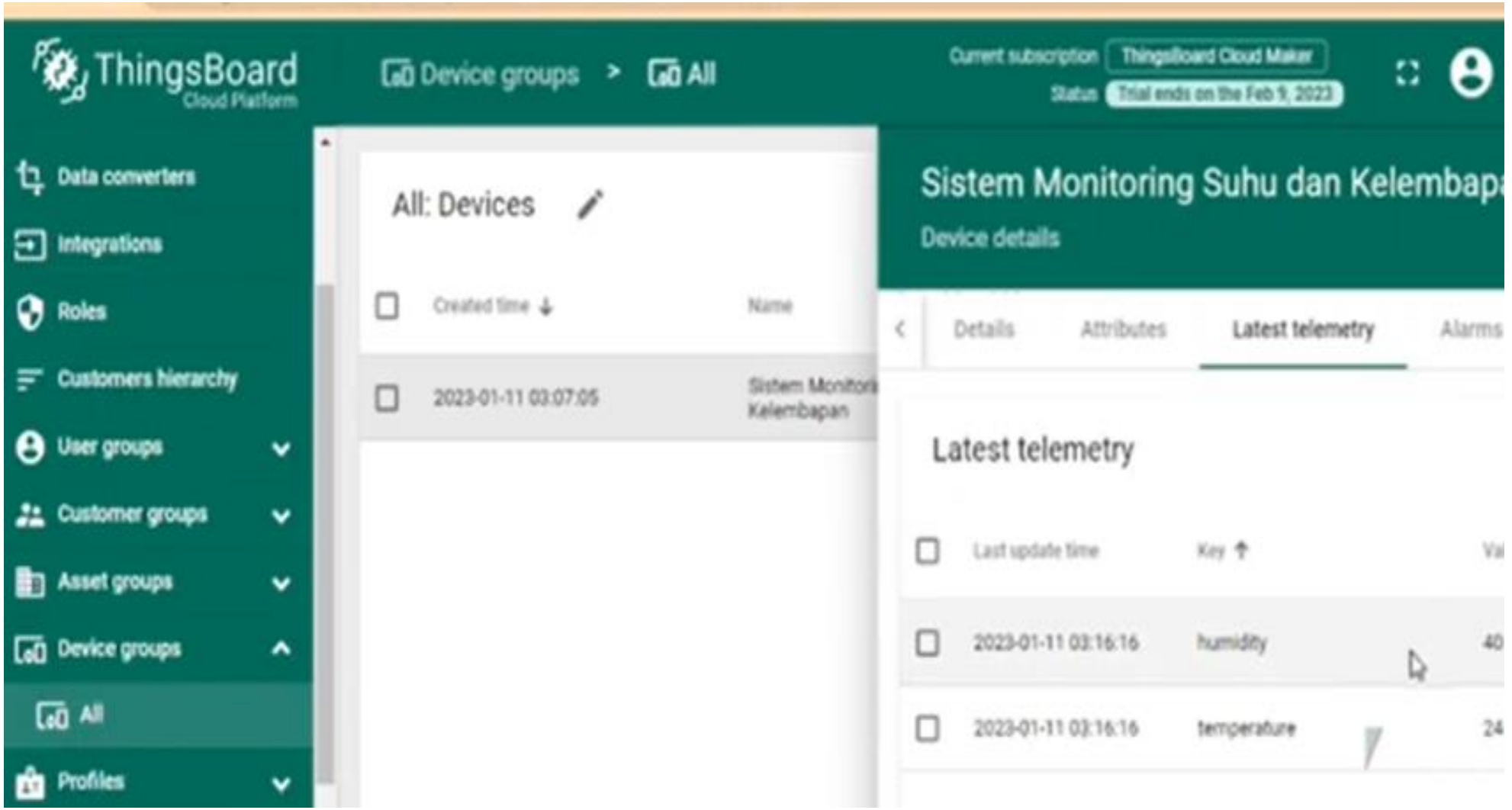
```
  WiFi.begin(WIFI_AP, WIFI_PASSWORD);
  while (WiFi.status() != WL_CONNECTED) {
    delay(500);
    Serial.print(".");
  }
  Serial.println("Berhasil terhubung!");
}

void reconnect() {
  // diulang sampai reconnected
  while (!device1.connected()) {
    status = WiFi.status();
    if ( status != WL_CONNECTED) {
      WiFi.begin(WIFI_AP, WIFI_PASSWORD);
      while (WiFi.status() != WL_CONNECTED) {
        delay(500);
        Serial.print(".");
      }
      Serial.println("Berhasil terhubung!");
    }
    Serial.print("Menghubungkan ke ThingsBoard node ...");
    if ( device1.connect(thingsboardServer, TOKEN) ) {
      Serial.println( "[DONE]" );
    } else {
      Serial.print( "[FAILED]" );
      Serial.println( " [ retrying in 5 seconds]" );
      // Wait 5 detik
      delay( 5000 );
    }
  }
```

Simulation




sketch.ino
diagram.json
libraries.txt
Library Manager
#include "DHT.h"
#include <WiFi.h>
#include <ThingsBoard.h>
#define WIFI_AP "Wokwi-GUEST"
#define WIFI_PASSWORD ""
#define TOKEN "qwerty123"
// DHT
#define DHTPIN 15
#define DHTTYPE DHT22
char thingsboardServer[] = "thingsboard.cloud";
WiFiClient client1;
// Initialize DHT sensor.
DHT dht(DHTPIN, DHTTYPE);
ThingsBoard device1(client1);
int status = WL_IDLE_STATUS;
unsigned long lastSend;
void setup()
{
Serial.begin(115200);
dht.begin();
delay(10);
Simulation
Menghubungkan ...
...Berhasil terhubung!
Menghubungkan ke ThingsBoard node ...[DONE]
Mengambil data sensor
Mengirim data ke ThingsBoard:
Humidity: 40.00 %
Temperature: 24.00 °C


ThingsBoard
Cloud Platform
Device groups > All
Current subscription ThingsBoard Cloud Maker
Status Trial ends on the Feb 9, 2023
Data converters
Integrations
Roles
Customers hierarchy
User groups
Customer groups
Asset groups
Device groups
All
Profiles
Entity view groups
Edge groups
Edge management
Widgets Library
All: Devices
Created time
Name
2023-01-11 03:07:05
Sistem Monitoring Suhu dan Kelembapan
Sistem Monitoring Suhu dan Kelembapa
Device details
Details
Attributes
Latest telemetry
Alarms
Open details page
Manage credentials
Delete device
Copy device id
Copy access token
Name
Sistem Monitoring Suhu dan Kelembapan
Device profile
default
Label
Assigned firmware
Assigned software


ThingsBoard
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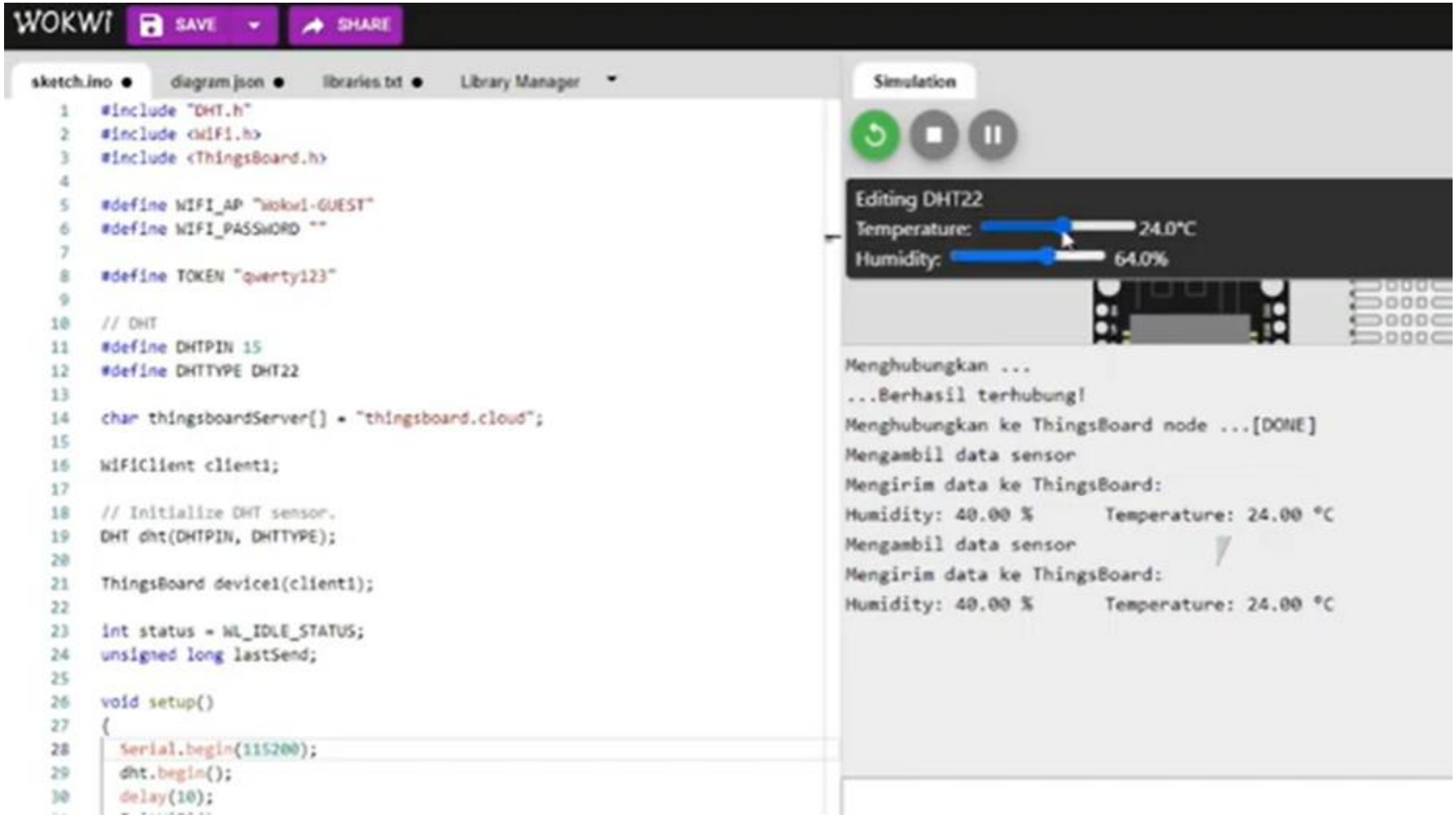
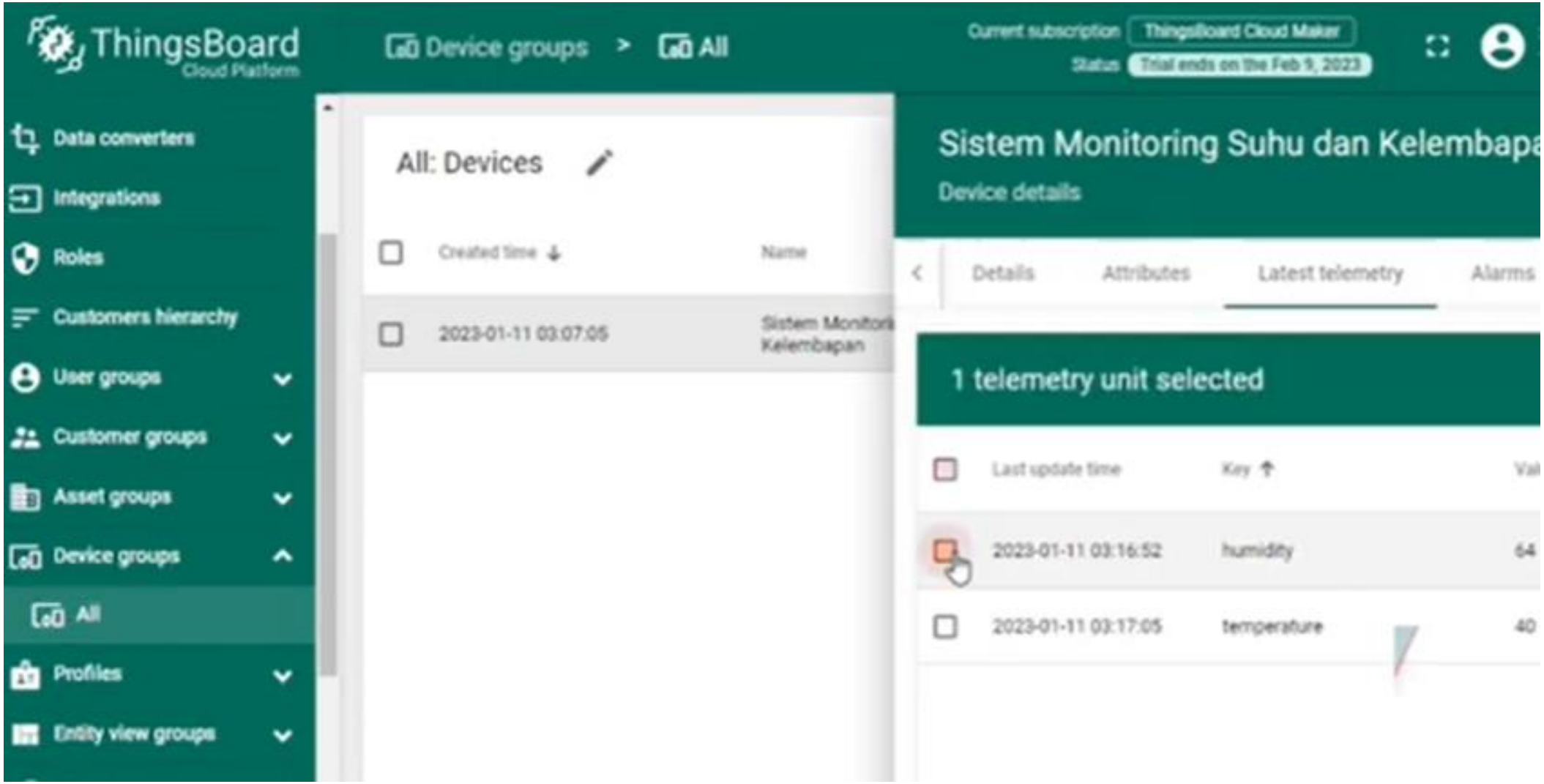
Asset groups
Device groups
All
Profiles
All: Devices
Created time
Name
2023-01-11 03:07:05
Sistem Monitoring Suhu dan Kelembapan
Device details
Details
Attributes
Latest telemetry
Alarms
Latest telemetry
Last update time
Key
2023-01-11 03:16:16
humidity
2023-01-11 03:16:16
temperature


WOKWI
SAVE
SHARE
sketch.ino
diagram.json
libraries.txt
Library Manager
#include "DHT.h"
#include <WiFi.h>
#include <ThingsBoard.h>
#define WIFI_AP "Wokwi-GUEST"
#define WIFI_PASSWORD ""
#define TOKEN "qwerty123"
// DHT
#define DHTPIN 15
#define DHTTYPE DHT22
char thingsboardServer[] = "thingsboard.cloud";
WiFiClient client1;
// Initialize DHT sensor.
DHT dht(DHTPIN, DHTTYPE);
ThingsBoard device1(client1);
int status = WL_IDLE_STATUS;
unsigned long lastSend;
void setup()
{
Serial.begin(115200);
dht.begin();
delay(10);
Simulation
Editing DHT22
Temperature:
24.0°C
Humidity:
64.0%
Menghubungkan ...
...Berhasil terhubung!
Menghubungkan ke ThingsBoard node ...[DONE]
Mengambil data sensor
Mengirim data ke ThingsBoard:
Humidity: 40.00 %
Temperature: 24.00 °C
Mengambil data sensor
Mengirim data ke ThingsBoard:
Humidity: 40.00 %
Temperature: 24.00 °C


ThingsBoard
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Device groups > All
Current subscription
ThingsBoard Cloud Maker
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User groups
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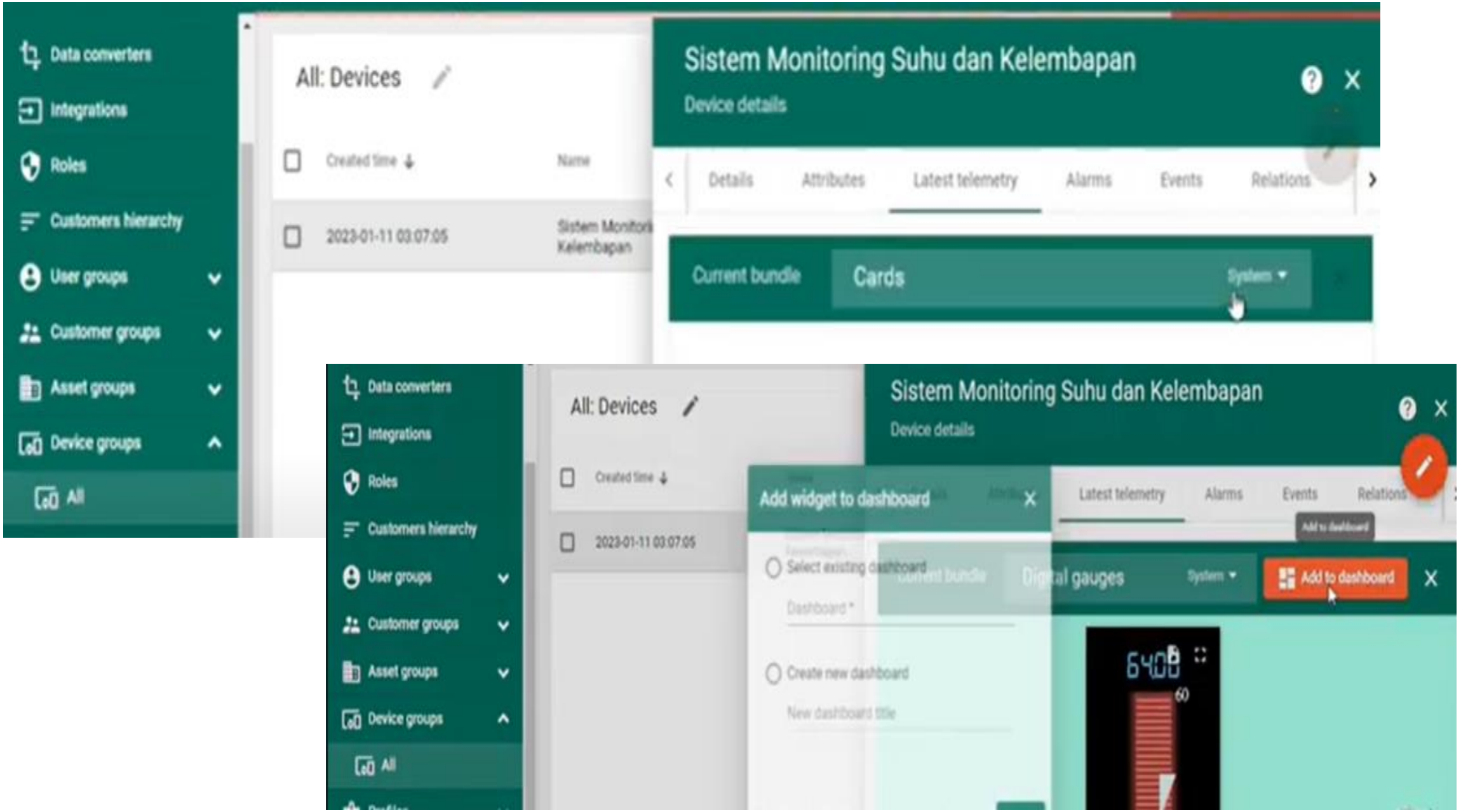
Asset groups
Device groups
All
Profiles
Entity view groups
All: Devices
Created time
Name
2023-01-11 03:07:05
Sistem Monitoring Kelembapan
Sistem Monitoring Suhu dan Kelembapa
Device details
Details
Attributes
Latest telemetry
Alarms
1 telemetry unit selected
Last update time
Key
2023-01-11 03:16:52
humidity
64
2023-01-11 03:17:05
temperature
40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All: Devices
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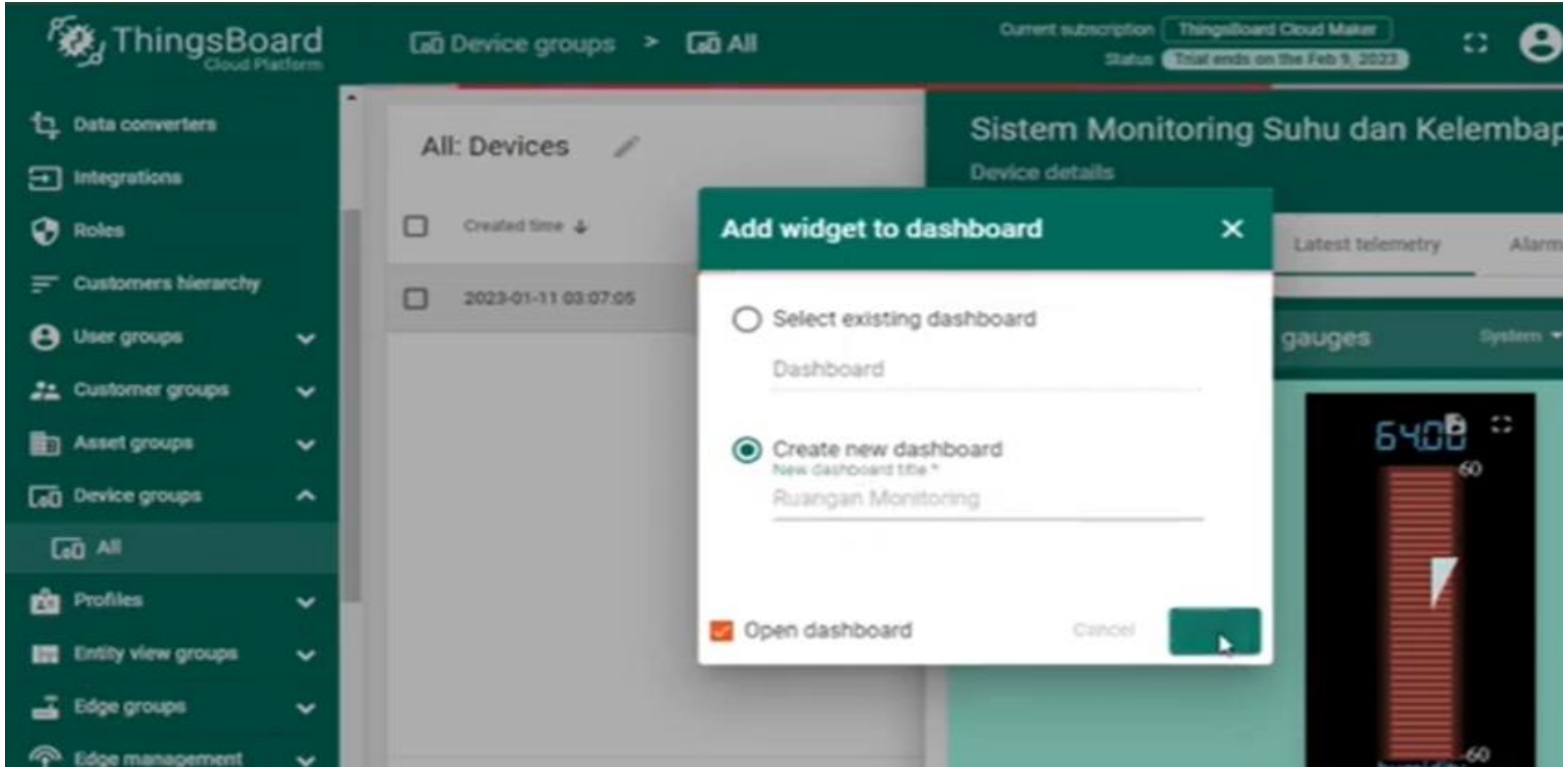
2023-01-11 03:07:05
Sistem Monitoring Suhu dan Kelembapan
Device details
Details
Attributes
Latest telemetry
Alarms
Events
Relations
Current bundle
Cards
System
Add widget to dashboard
Select existing dashboard
Dashboard *
Create new dashboard
New dashboard title
Digital gauges
Add to dashboard
64.00
60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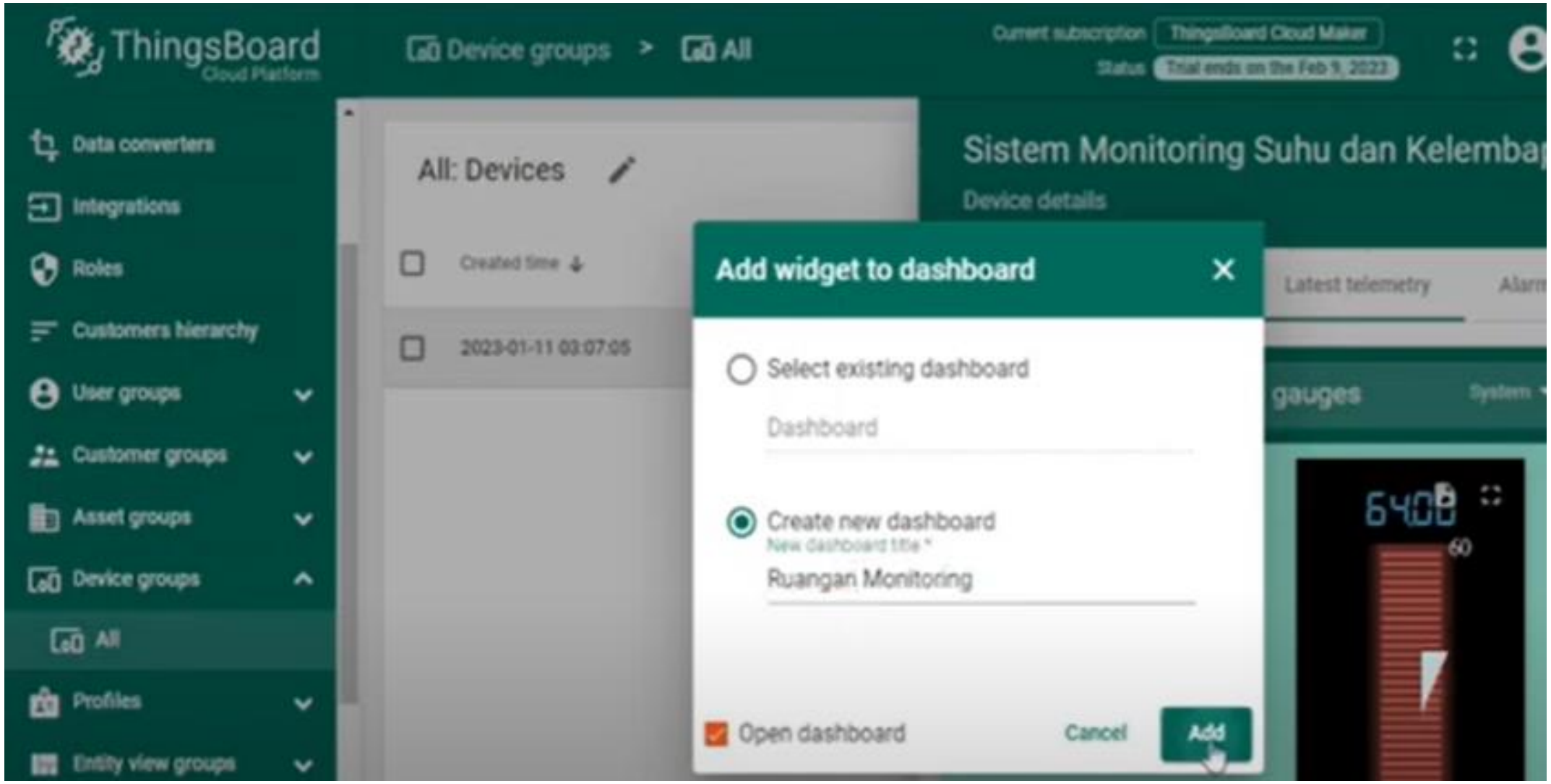
All: Devices
Created time
2023-01-11 03:07:05
Sistem Monitoring Suhu dan Kelembap
Device details
Latest telemetry
Alarm
gauges
System
Add widget to dashboard
Select existing dashboard
Dashboard
Create new dashboard
New dashboard title *
Ruangan Monitoring
Open dashboard
Cancel
60
60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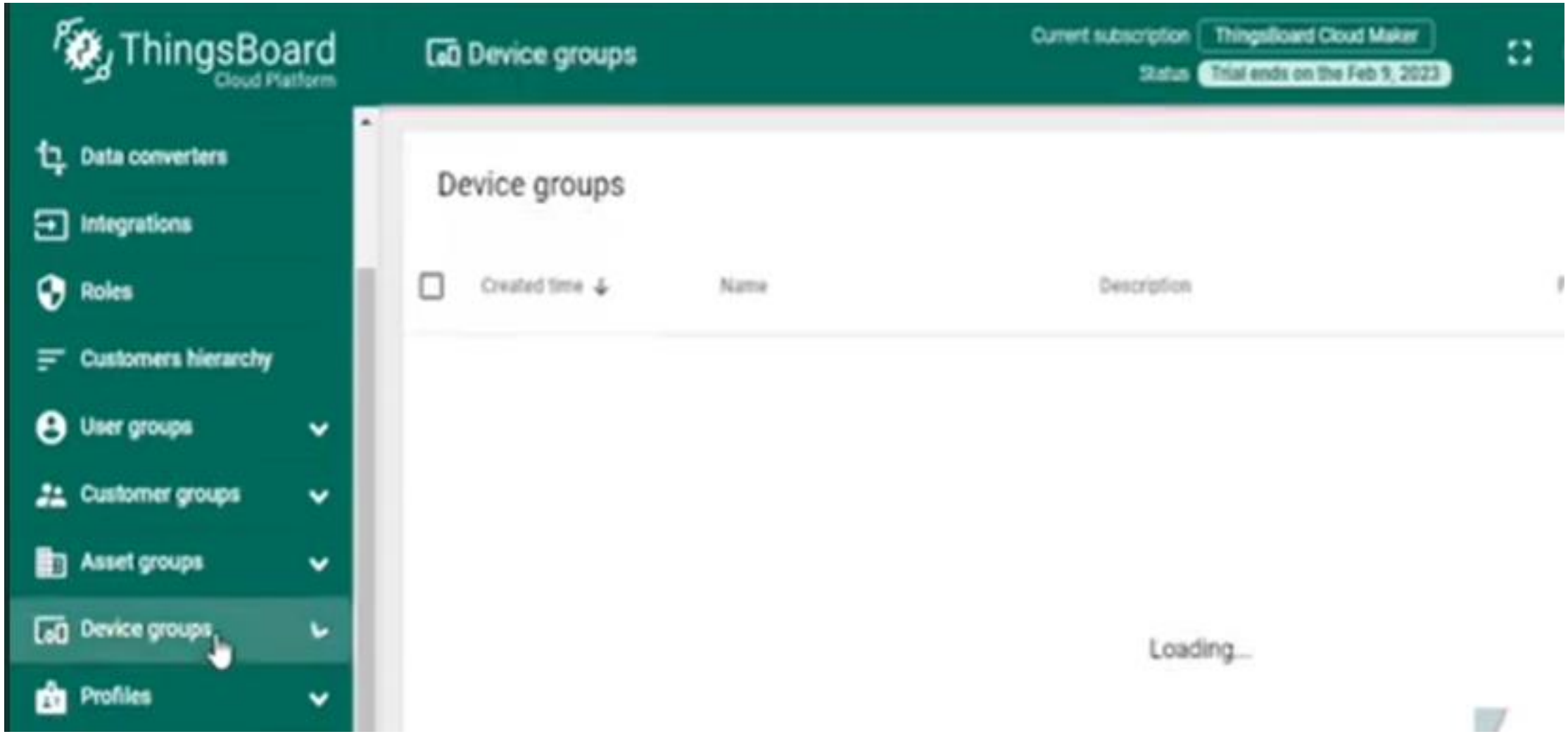
All: Devices
Created time
2023-01-11 03:07:05
Sistem Monitoring Suhu dan Kelembap
Device details
Latest telemetry
Add widget to dashboard
Select existing dashboard
Dashboard
Create new dashboard
New dashboard title *
Ruangan Monitoring
Open dashboard
Cancel
Add
gauges
System
60


ThingsBoard
Cloud Platform
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Current subscription
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Trial ends on the Feb 9, 2023
Data converters
Integrations
Roles
Customers hierarchy
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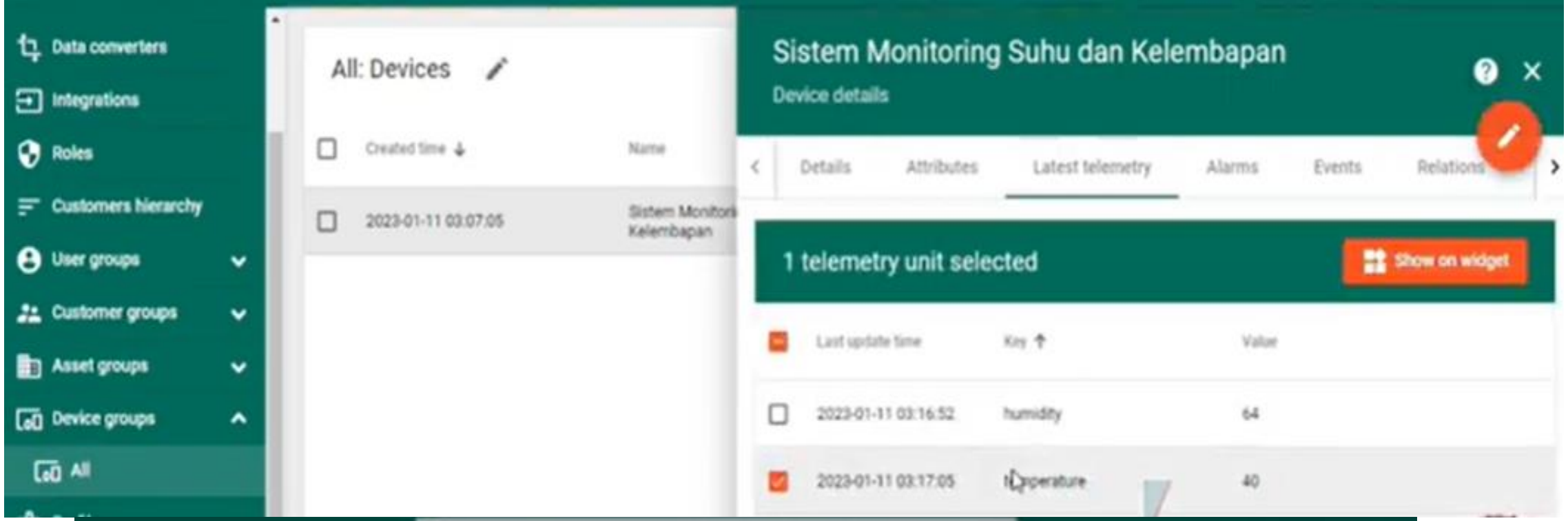
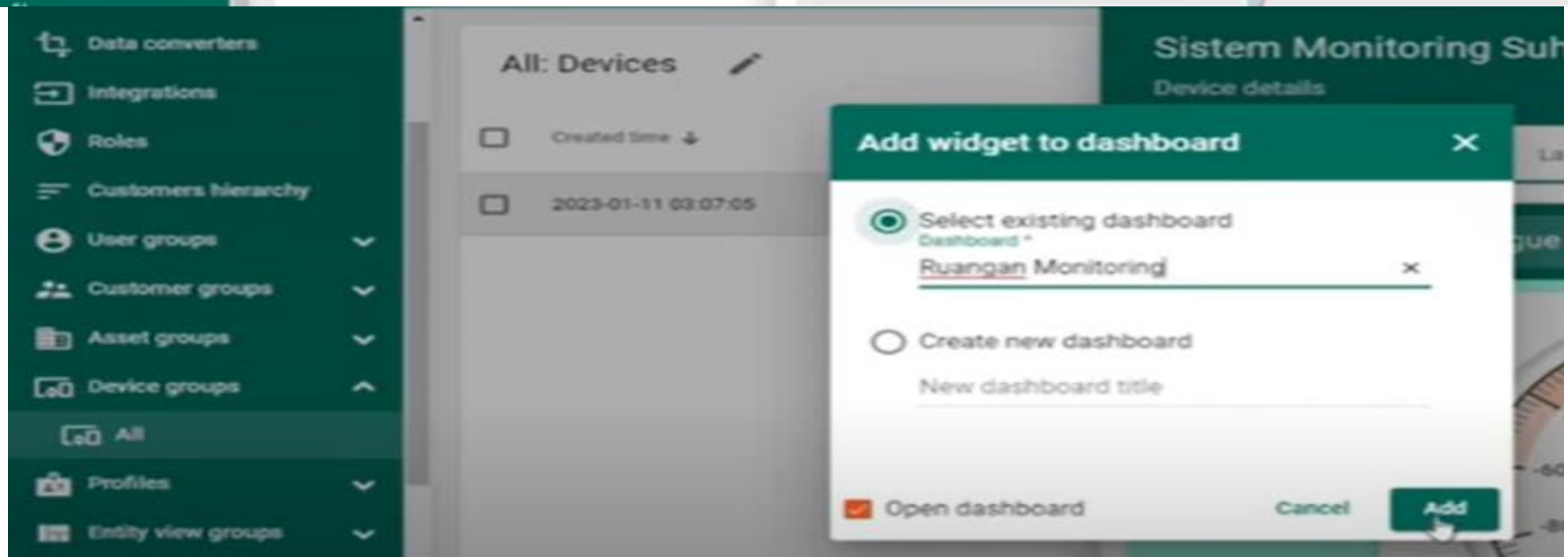
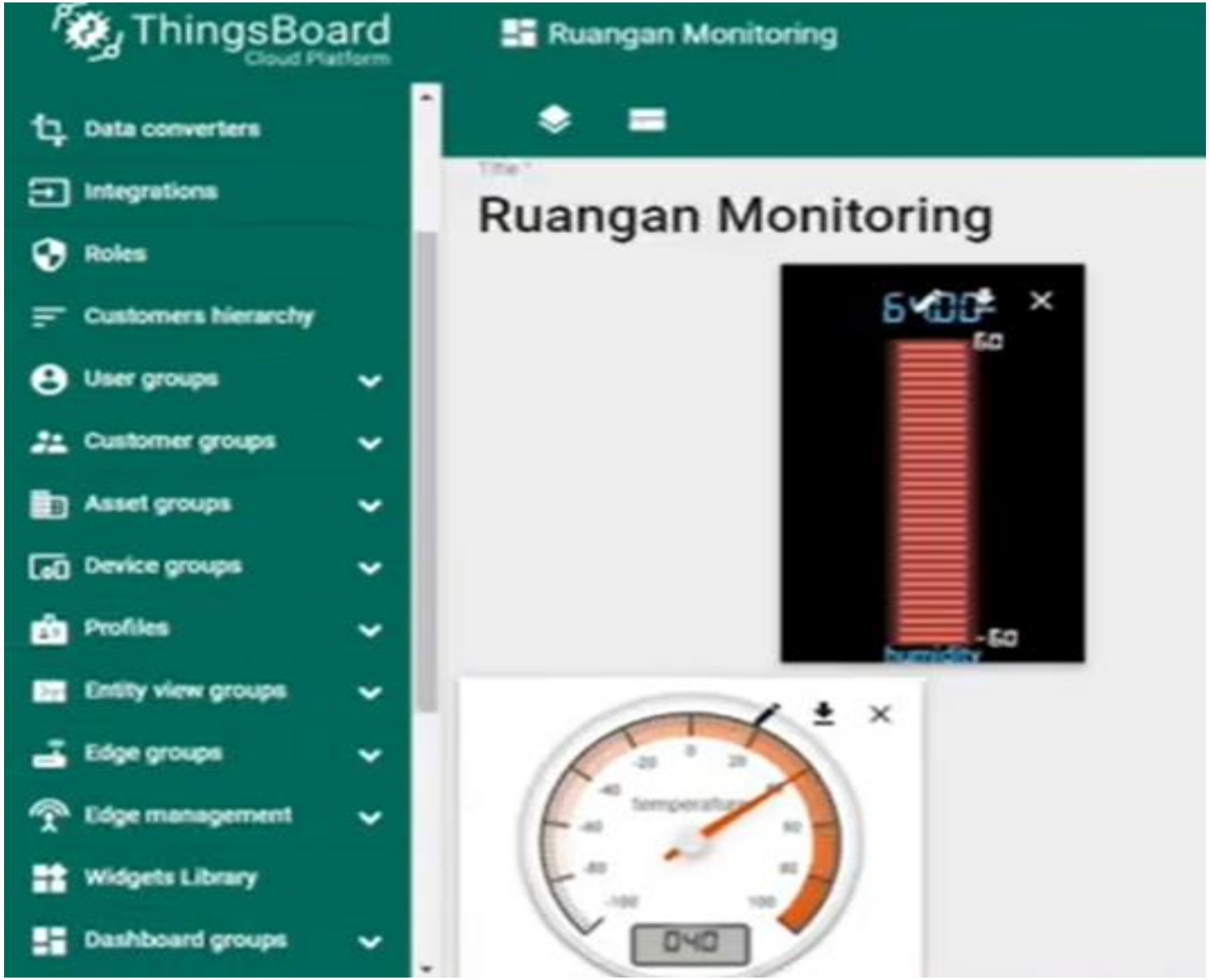
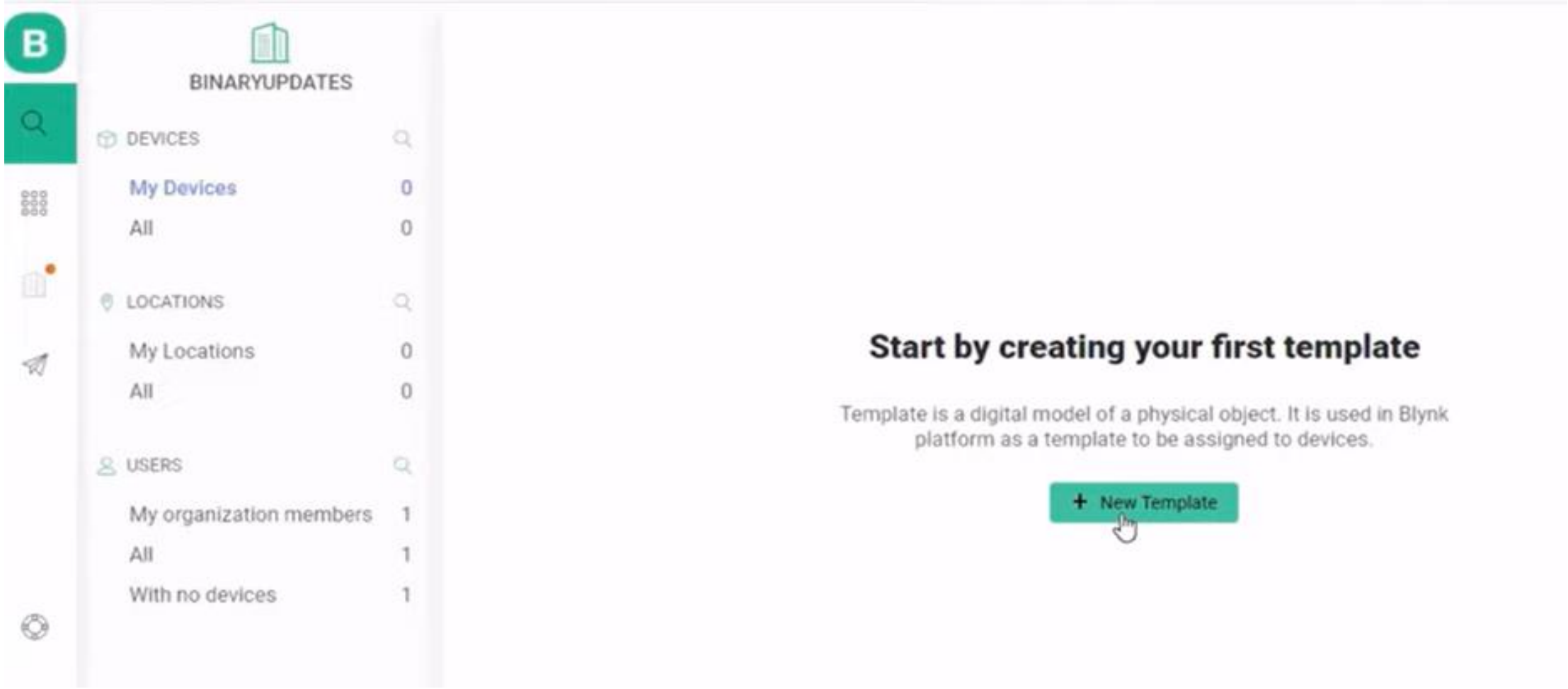
Device groups
Profiles
Device groups
Created time
Name
Description
Loading...

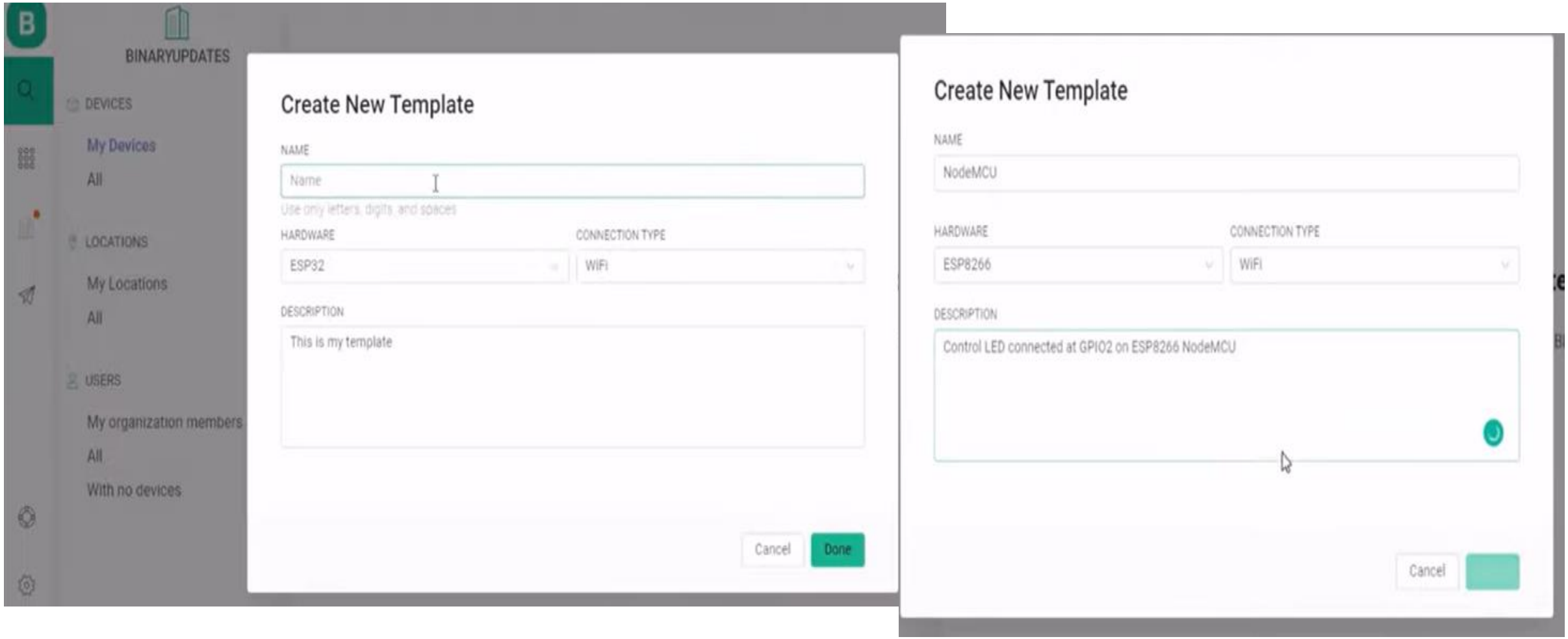

Data converters
Integrations
Roles
Customers hierarchy
User groups
Customer groups
Asset groups
Device groups
All
All: Devices
Created time
Name
2023-01-11 03:07:05
Sistem Monitoring Suhu dan Kelembapan
Device details
Details
Attributes
Latest telemetry
Alarms
Events
Relations
1 telemetry unit selected
Show on widget
Last update time
Key
Value
2023-01-11 03:16:52
humidity
64
2023-01-11 03:17:05
40

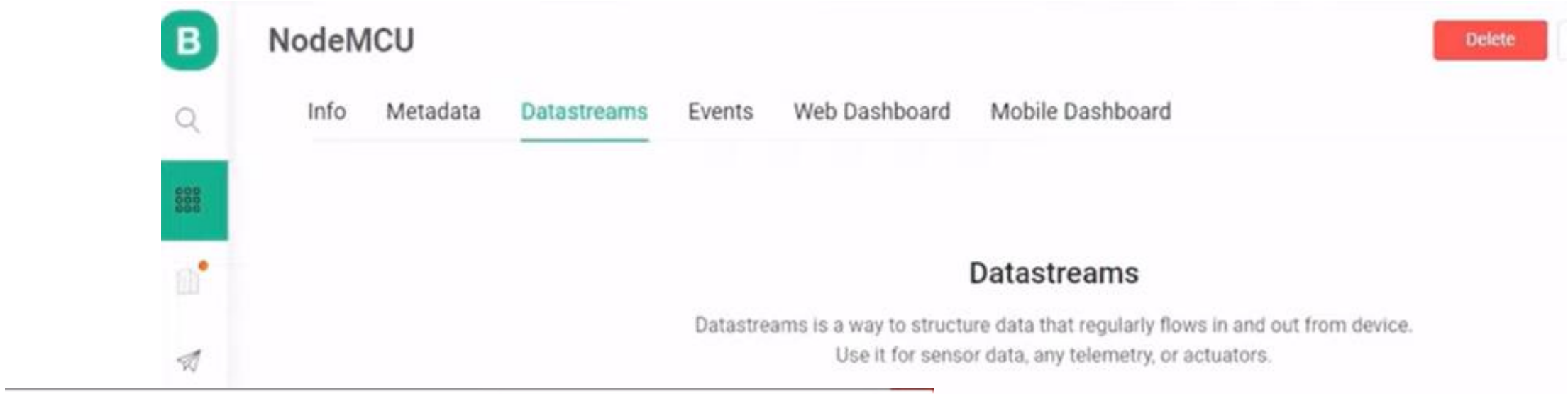

Data converters
Integrations
Roles
Customers hierarchy
User groups
Customer groups
Asset groups
Device groups
All
Profiles
Entity view groups
All: Devices
Created time
2023-01-11 03:07:05
Sistem Monitoring Suh
Device details
Add widget to dashboard
Select existing dashboard
Dashboard *
Ruangan Monitoring
Create new dashboard
New dashboard title
Open dashboard
Cancel
Add

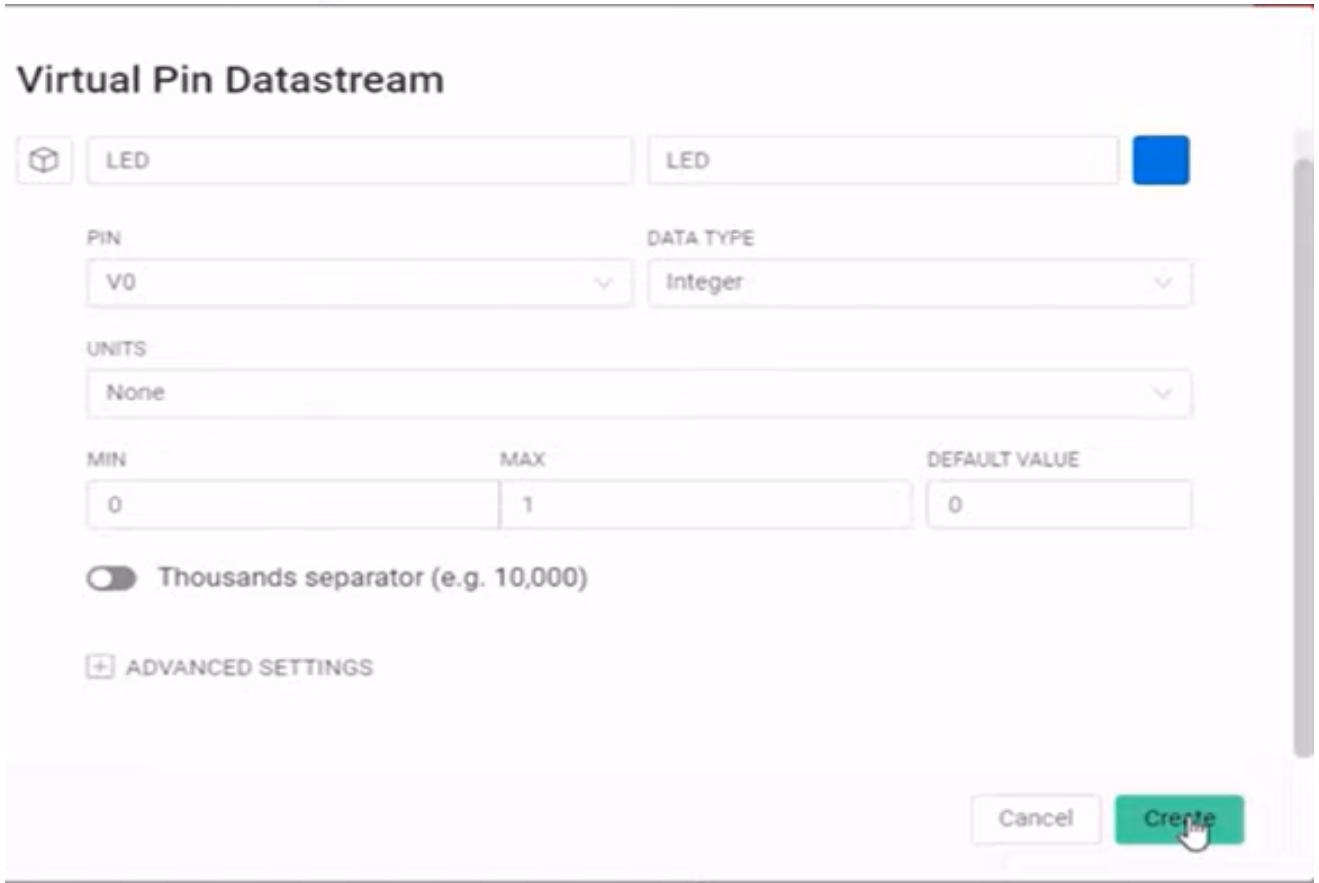

ThingsBoard
Cloud Platform
Ruangan Monitoring
Data converters
Integrations
Roles
Customers hierarchy
User groups
Customer groups
Asset groups
Device groups
Profiles
Entity view groups
Edge groups
Edge management
Widgets Library
Dashboard groups
Ruangan Monitoring
60
-60
040

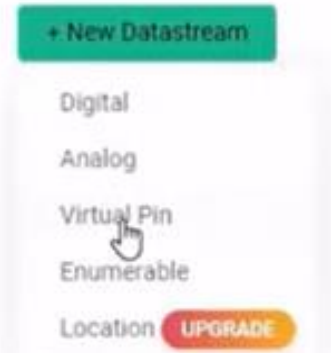
Blink

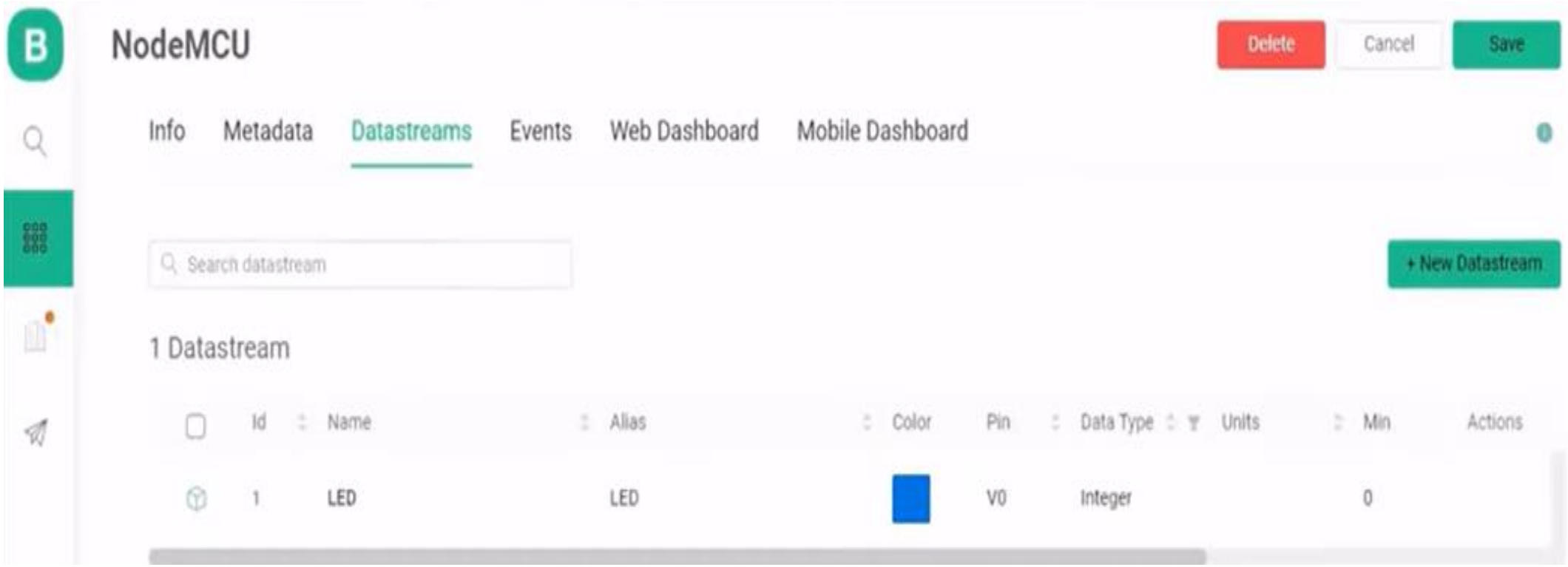

B
BINARYUPDATES
DEVICES
My Devices 0
All 0
LOCATIONS
My Locations 0
All 0
USERS
My organization members 1
All 1
With no devices 1
Start by creating your first template
Template is a digital model of a physical object. It is used in Blynk platform as a template to be assigned to devices.
+ New Template

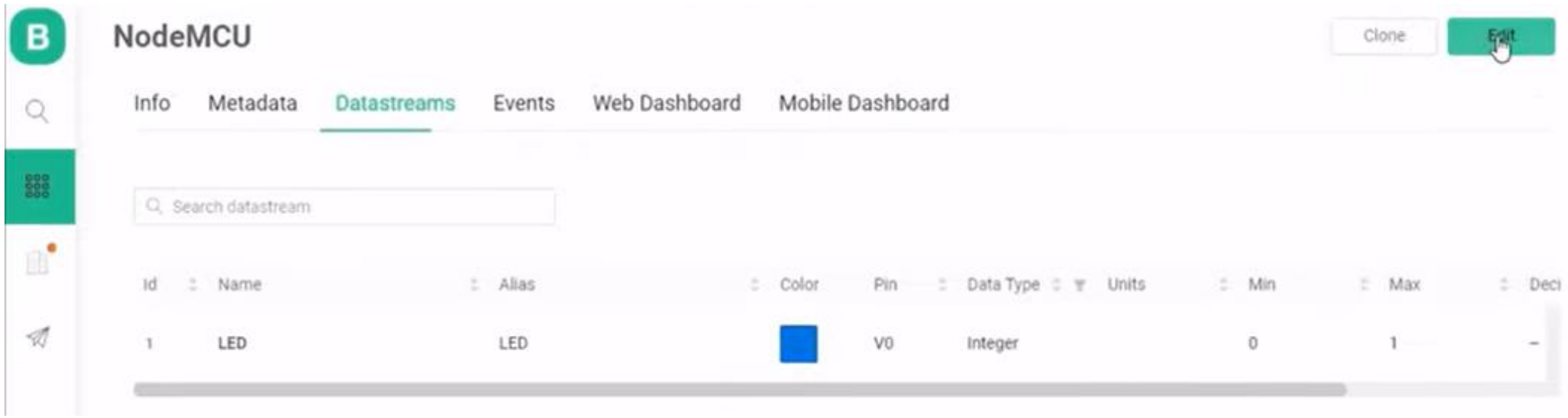

BINARYUPDATES
DEVICES
My Devices
All
LOCATIONS
My Locations
All
USERS
My organization members
All
With no devices
Create New Template
NAME
Name
Use only letters, digits, and spaces
HARDWARE
ESP32
CONNECTION TYPE
WiFi
DESCRIPTION
This is my template
Cancel
Done
Create New Template
NAME
NodeMCU
HARDWARE
ESP8266
CONNECTION TYPE
WiFi
DESCRIPTION
Control LED connected at GPIO2 on ESP8266 NodeMCU
Cancel

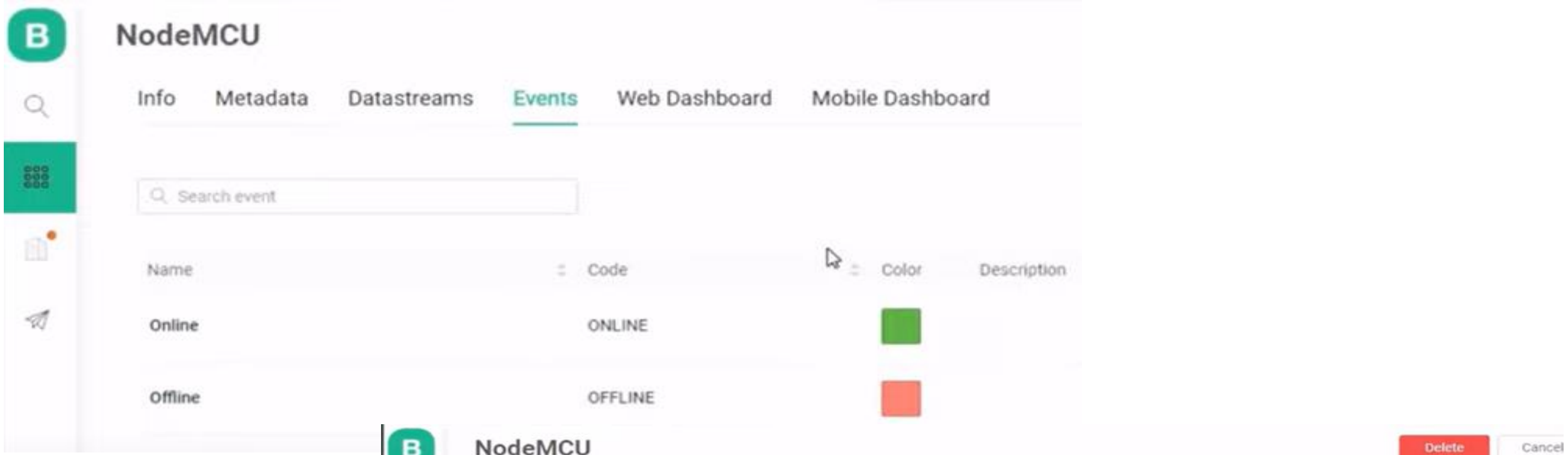

NodeMCU
Delete
Info
Metadata
Datastreams
Events
Web Dashboard
Mobile Dashboard
Datastreams
Datastreams is a way to structure data that regularly flows in and out from device.
Use it for sensor data, any telemetry, or actuators.

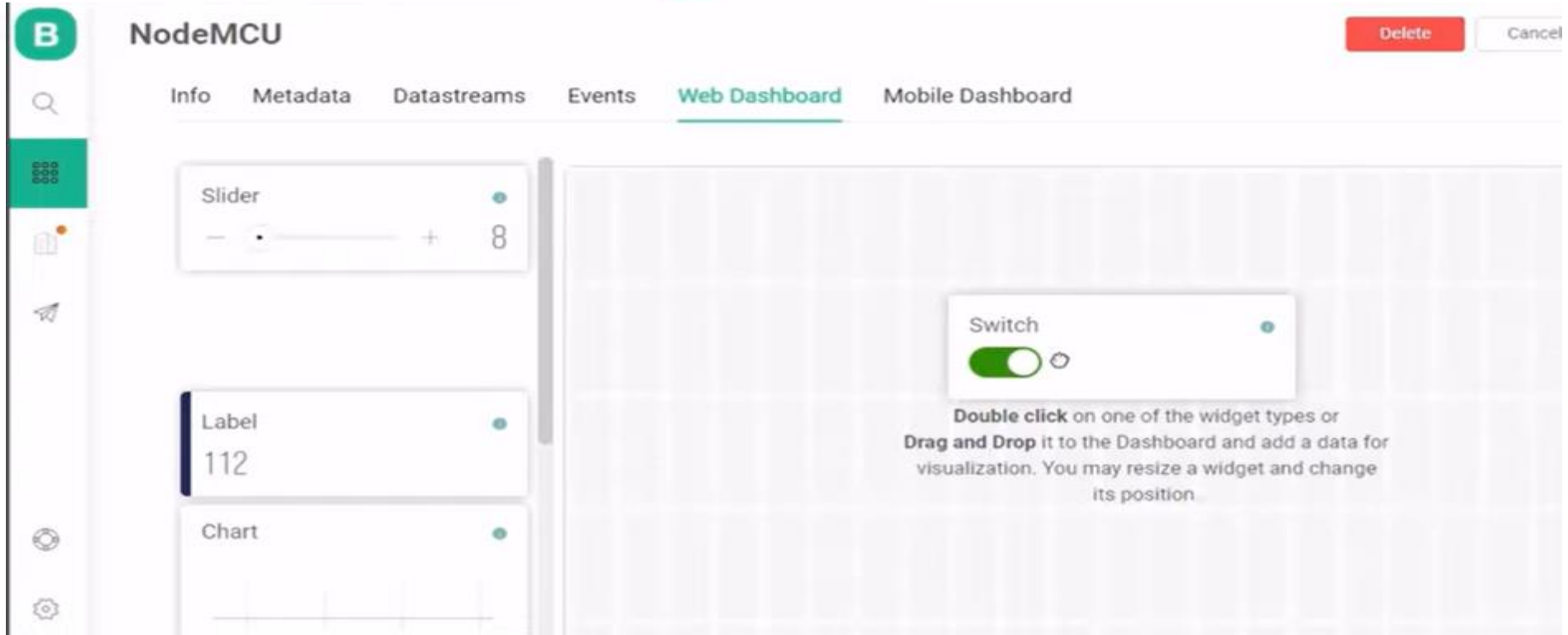

Virtual Pin Datastream
LED
LED
PIN
V0
DATA TYPE
Integer
UNITS
None
MIN
0
MAX
1
DEFAULT VALUE
0
Thousands separator (e.g. 10,000)
ADVANCED SETTINGS
Cancel
Create

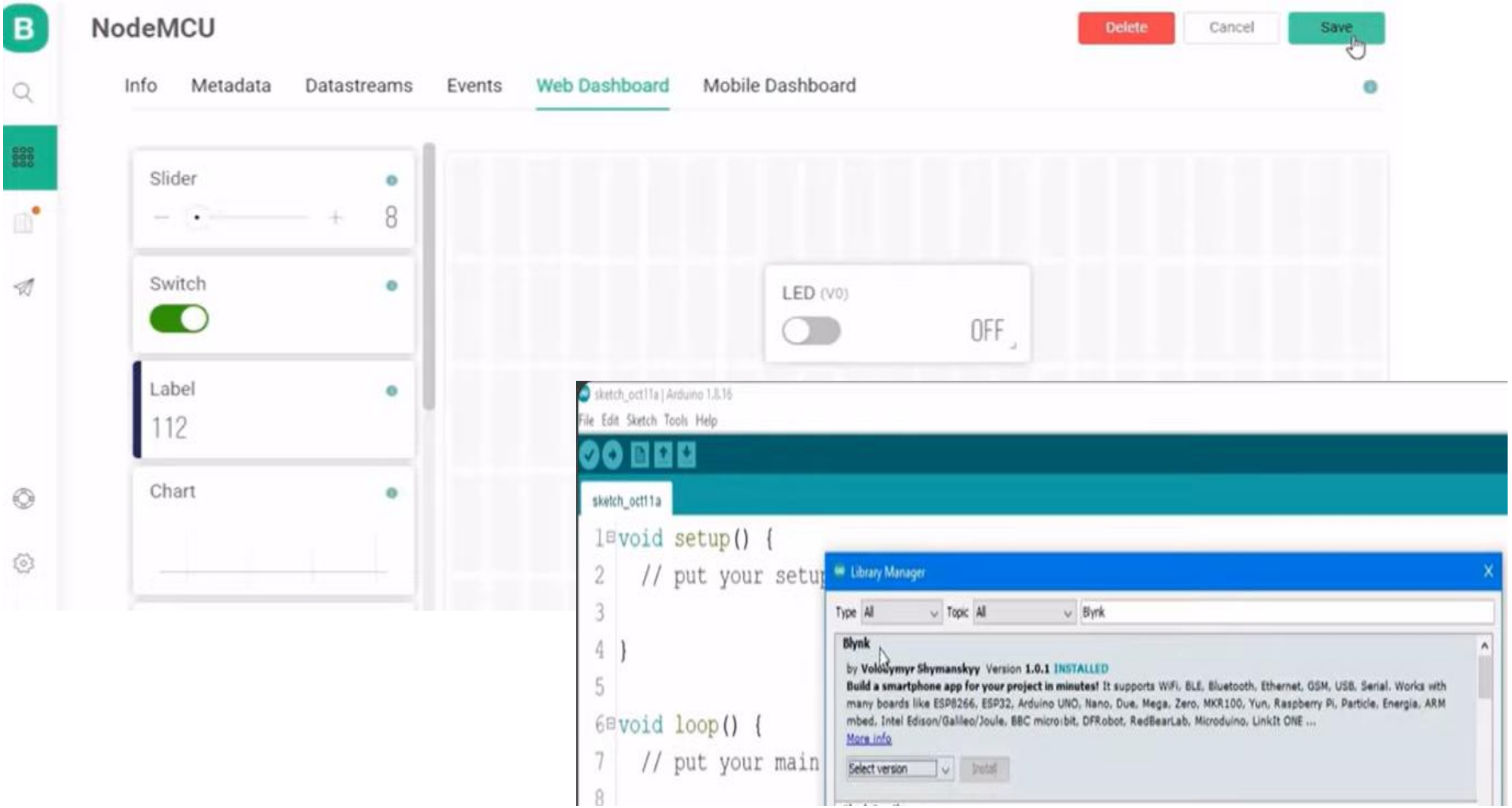

+ New Datastream
Digital
Analog
Virtual Pin
Enumerable
Location
UPGRADE

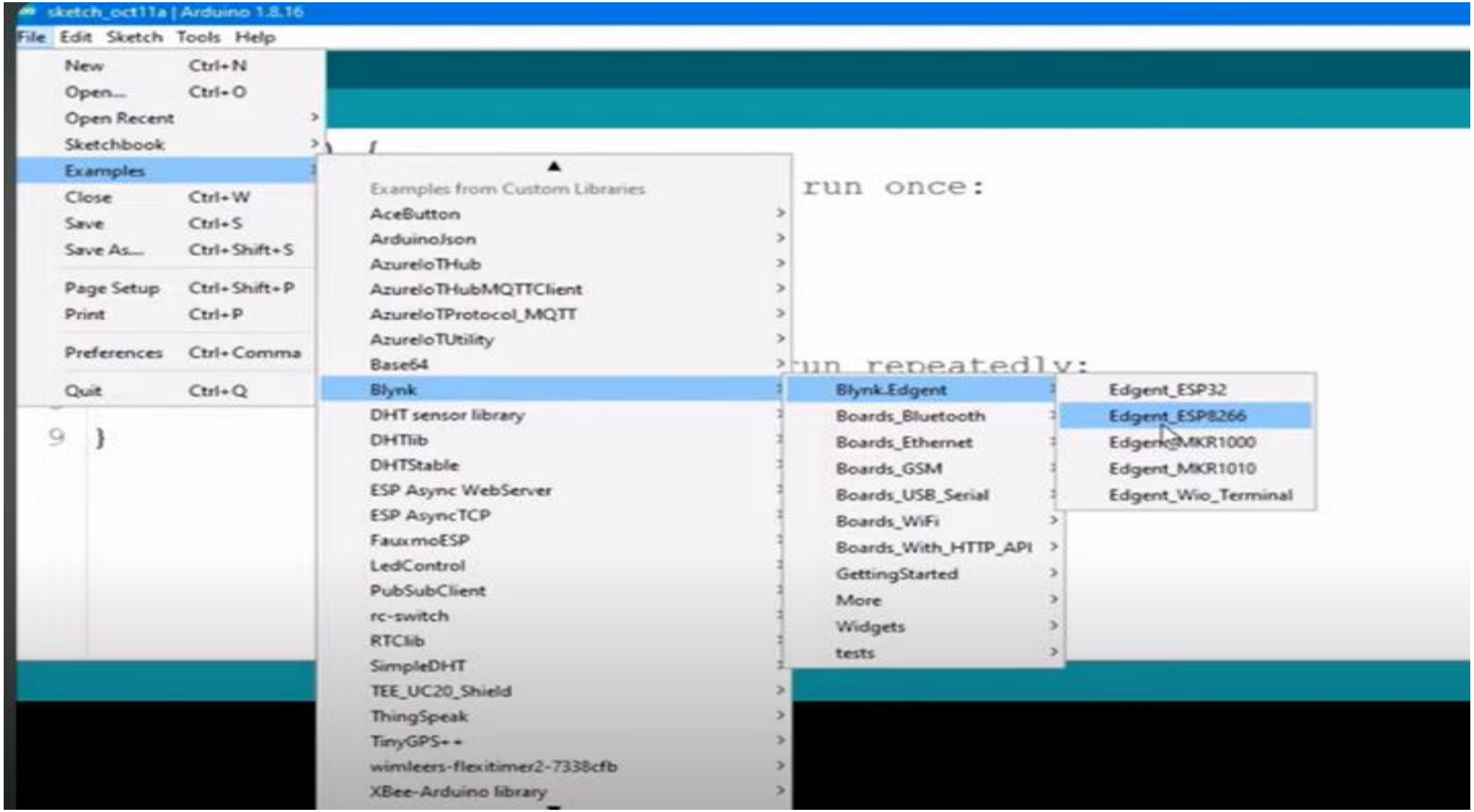

NodeMCU
Delete
Cancel
Save
Info
Metadata
Datastreams
Events
Web Dashboard
Mobile Dashboard
Search datastream
+ New Datastream
1 Datastream
Id
Name
Alias
Color
Pin
Data Type
Units
Min
Actions
1
LED
LED
V0
Integer
0


NodeMCU
Clone
Edit
Info
Metadata
Datastreams
Events
Web Dashboard
Mobile Dashboard
Search datastream
Id
Name
Alias
Color
Pin
Data Type
Units
Min
Max
Deci
1
LED
LED
V0
Integer
0
1
–


NodeMCU
Info
Metadata
Datastreams
Events
Web Dashboard
Mobile Dashboard
Search event
Name
Code
Color
Description
Online
ONLINE
Offline
OFFLINE


NodeMCU
Delete
Cancel
Info
Metadata
Datastreams
Events
Web Dashboard
Mobile Dashboard
Slider
8
Label
112
Chart
Switch
Double click on one of the widget types or
Drag and Drop it to the Dashboard and add a data for
visualization. You may resize a widget and change
its position


NodeMCU
Delete
Cancel
Save
Info
Metadata
Datastreams
Events
Web Dashboard
Mobile Dashboard
Slider
8
Switch
Label
112
Chart
LED (V0)
OFF
sketch_oct11a | Arduino 1.8.16
File Edit Sketch Tools Help
sketch_oct11a
1 void setup() {
2 // put your setup
3
4 }
5
6 void loop() {
7 // put your main
8
Library Manager
Type All
Topic All
Blynk
by Volodymyr Shymanskyy Version 1.0.1 INSTALLED
Build a smartphone app for your project in minutes! It supports WiFi, BLE, Bluetooth, Ethernet, GSM, USB, Serial. Works with many boards like ESP8266, ESP32, Arduino UNO, Nano, Due, Mega, Zero, MKR100, Yun, Raspberry Pi, Particle, Energia, ARM mbed, Intel Edison/Galileo/Joule, BBC micro:bit, DFRobot, RedBearLab, Microduino, LinkIt ONE ...
More info
Select version
Install


sketch_oct11a | Arduino 1.8.16
File Edit Sketch Tools Help
New Ctrl+N
Open... Ctrl+O
Open Recent
Sketchbook
Examples
Close Ctrl+W
Save Ctrl+S
Save As... Ctrl+Shift+S
Page Setup Ctrl+Shift+P
Print Ctrl+P
Preferences Ctrl+Comma
Quit Ctrl+Q
Examples from Custom Libraries
AceButton
ArduinoJson
AzureIoTHub
AzureIoTHubMQTTClient
AzureIoTProtocol_MQTT
AzureIoTUtility
Base64
Blynk
DHT sensor library
DHTlib
DHTStable
ESP Async WebServer
ESP AsyncTCP
FauxmoESP
LedControl
PubSubClient
rc-switch
RTClib
SimpleDHT
TEE_UC20_Shield
ThingSpeak
TinyGPS++
wimleers-flexitimer2-7338cfb
XBee-Arduino library
Blynk.Edgent
Boards_Bluetooth
Boards_Ethernet
Boards_GSM
Boards_USB_Serial
Boards_WiFi
Boards_With_HTTP_API
GettingStarted
More
Widgets
tests
Edgent_ESP32
Edgent_ESP8266
Edgent_MKR1000
Edgent_MKR1010
Edgent_Wio_Terminal
run once:
run repeatedly:
9 }

NodeMCU

Info | Metadata | Datastreams | Events | Web Dashboard | Mobile Dashboard

HARDWARE
ESP8266

CONNECTION TYPE
WiFi

MANUFACTURER
BINARYUPDATES

OFFLINE IGNORE PERIOD
0 hrs 0 mins 0 secs

TEMPLATE IDS
TMPLMX0IOJ1B

CATEGORIES
Other

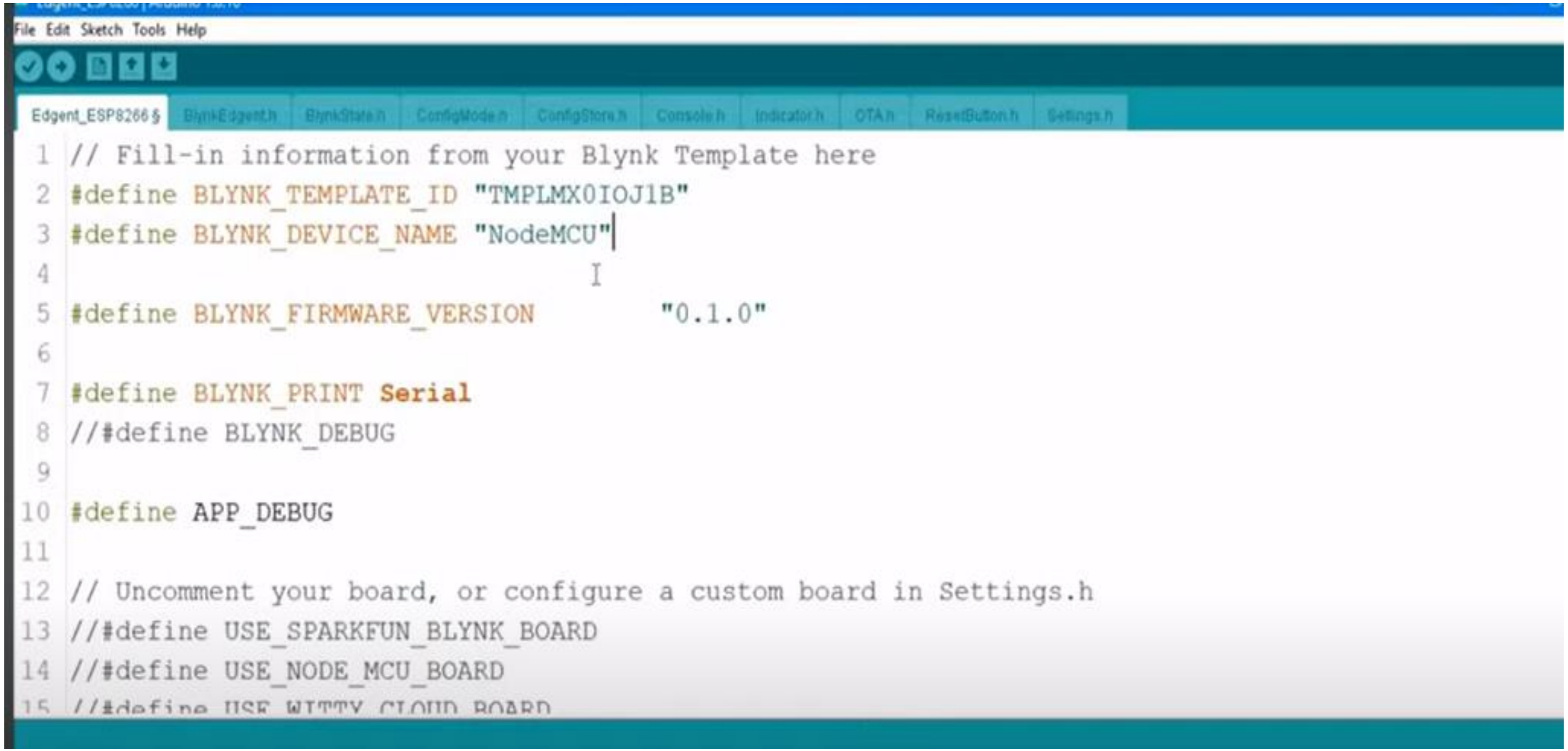
DESCRIPTION
Control LED connected at GPIO2 on ESP8266 NodeMCU

Click to copy Code

FIRMWARE CONFIGURATION

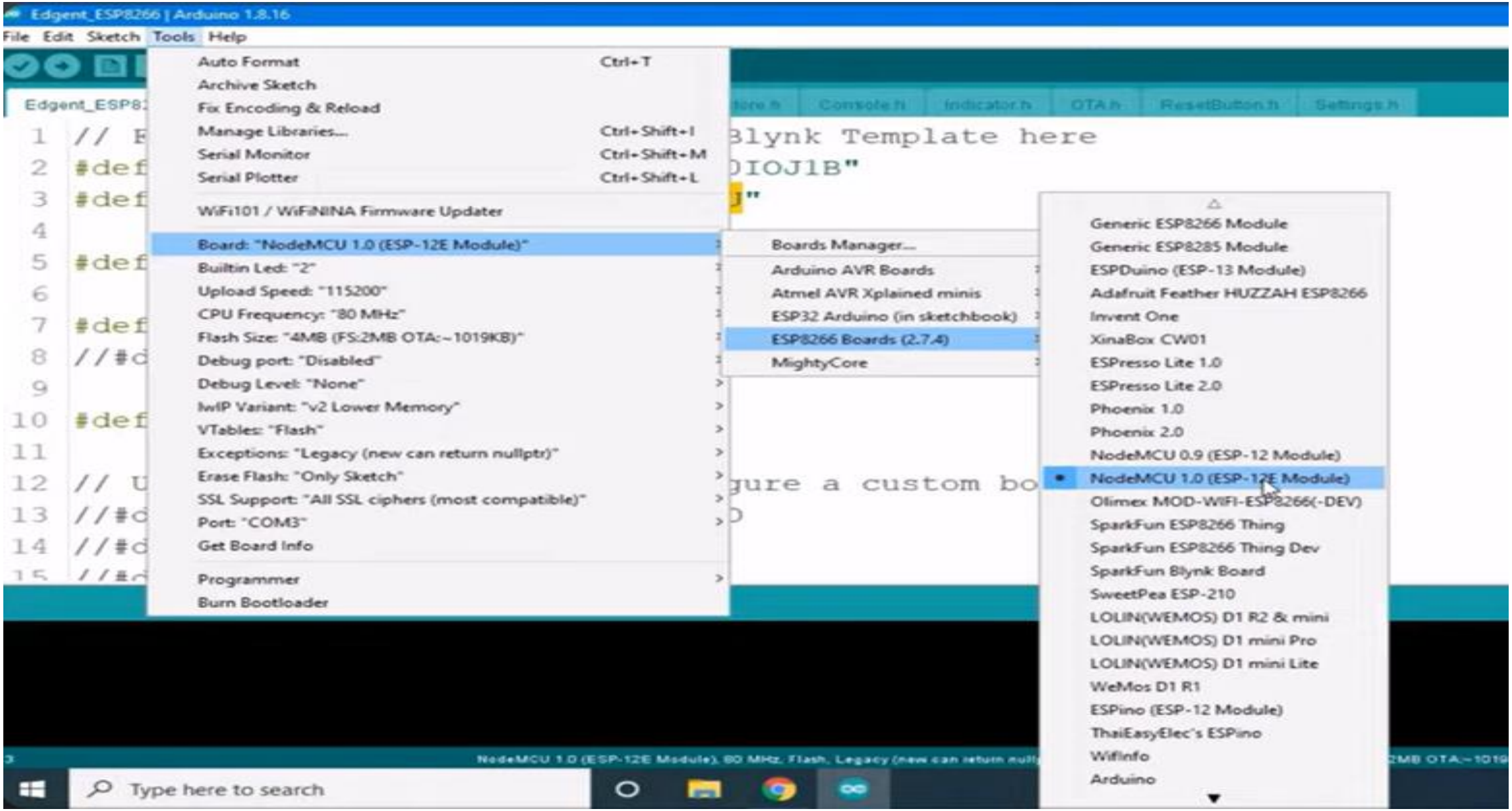
```
#define BLYNK_TEMPLATE_ID "TMPLMX0IOJ1B"
#define BLYNK_DEVICE_NAME "NodeMCU"
```

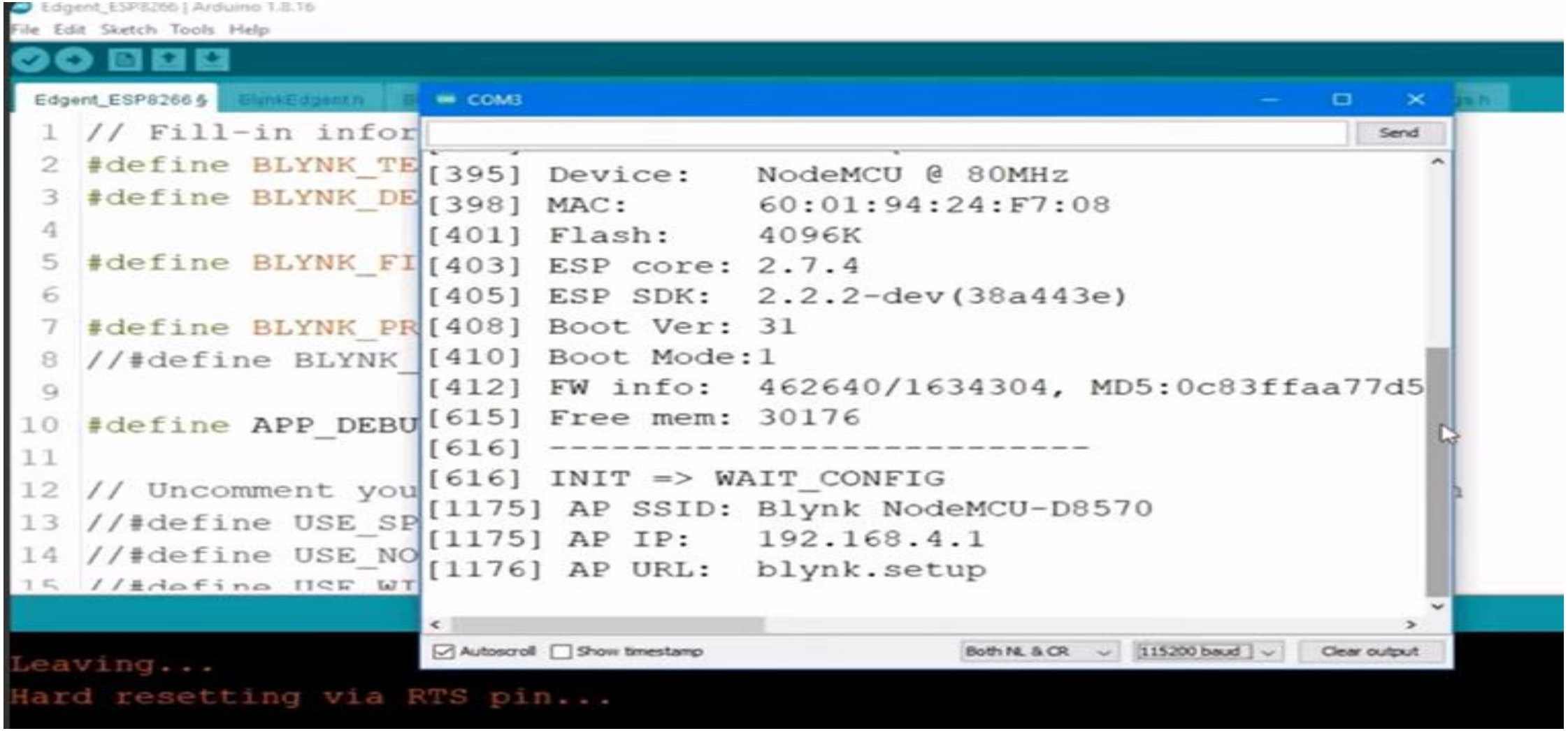
Template ID and Device Name should be included at the top of your main firmware


File Edit Sketch Tools Help
Edgent_ESP8266 §
BlynkEdgent.h
BlynkState.h
ConfigMode.h
ConfigStore.h
Console.h
Indicator.h
OTA.h
ResetButton.h
Settings.h
// Fill-in information from your Blynk Template here
#define BLYNK_TEMPLATE_ID "TMPLMX0IOJ1B"
#define BLYNK_DEVICE_NAME "NodeMCU"
#define BLYNK_FIRMWARE_VERSION "0.1.0"
#define BLYNK_PRINT Serial
//#define BLYNK_DEBUG
#define APP_DEBUG
// Uncomment your board, or configure a custom board in Settings.h
//#define USE_SPARKFUN_BLYNK_BOARD
//#define USE_NODE_MCU_BOARD

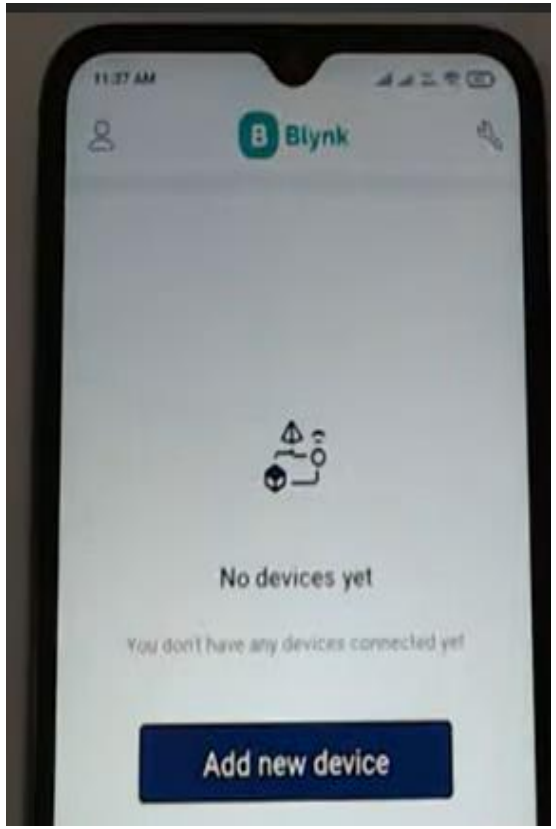
```
#include "BlynkEdgent.h"

BLYNK_WRITE(V0)
{
  if(param.asInt()==1){
    digitalWrite(2, HIGH);
  }
  else{
    digitalWrite(2, LOW);
  }
}

BLYNK_CONNECTED()
{
  Blynk.syncVirtual(V0);
}

void setup()
{
  pinMode(2, OUTPUT); // Initialise digital pin 2 as an output pin
  Serial.begin(115200);
  delay(100);

  BlynkEdgent.begin();
}

```

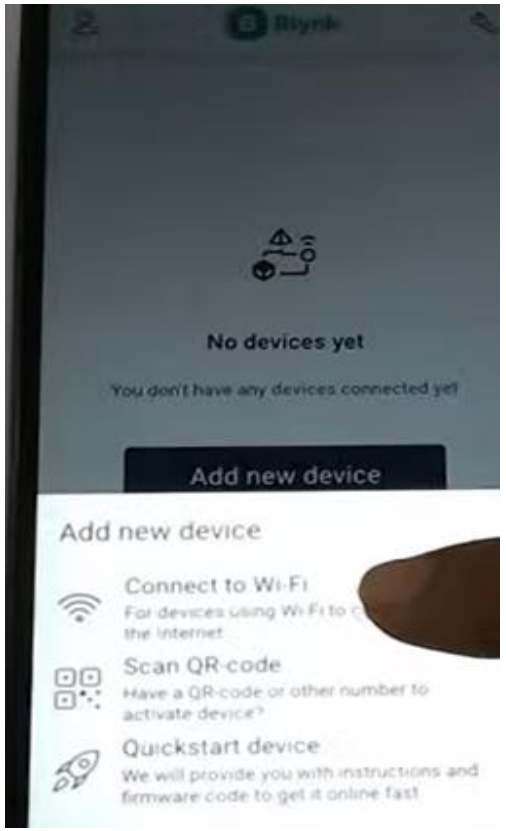

Edgent_ESP8266 §
BlynkEdgent.h
BlynkState.h
ConfigMode.h
ConfigStore.h
Console.h
Indicator.h
OTA.h
ResetButton.h
Settings.h
Blynk.syncVirtual(V0);
}
void setup()
{
pinMode(2, OUTPUT); // Initialise digital pin 2 as an output pin
Serial.begin(115200);
delay(100);
BlynkEdgent.begin();
}
void loop() {
BlynkEdgent.run();
}

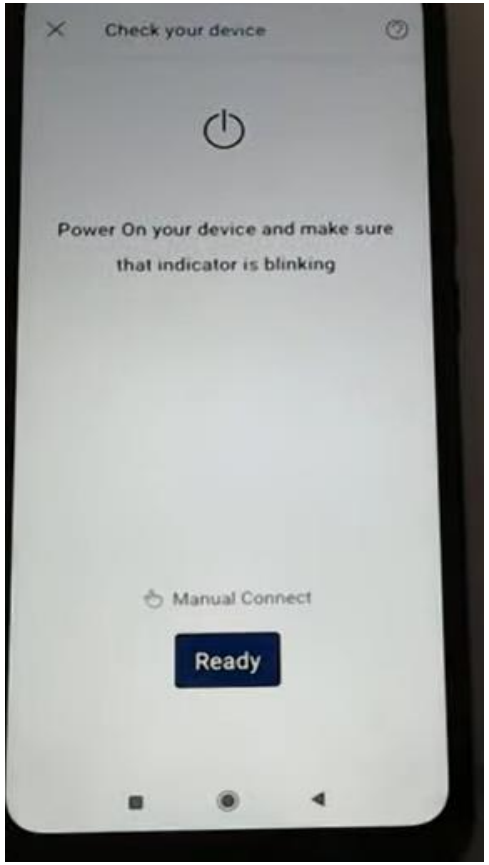

Edgent_ESP8266 | Arduino 1.8.16
File Edit Sketch Tools Help
Auto Format Ctrl+T
Archive Sketch
Fix Encoding & Reload
Manage Libraries... Ctrl+Shift+I
Serial Monitor Ctrl+Shift+M
Serial Plotter Ctrl+Shift+L
WiFi101 / WiFiNINA Firmware Updater
Board: "NodeMCU 1.0 (ESP-12E Module)"
Builtin Led: "2"
Upload Speed: "115200"
CPU Frequency: "80 MHz"
Flash Size: "4MB (FS:2MB OTA:~1019KB)"
Debug port: "Disabled"
Debug Level: "None"
lwIP Variant: "v2 Lower Memory"
VTables: "Flash"
Exceptions: "Legacy (new can return nullptr)"
Erase Flash: "Only Sketch"
SSL Support: "All SSL ciphers (most compatible)"
Port: "COM3"
Get Board Info
Programmer
Burn Bootloader
Boards Manager...
Arduino AVR Boards
Atmel AVR Xplained minis
ESP32 Arduino (in sketchbook)
ESP8266 Boards (2.7.4)
MightyCore
Generic ESP8266 Module
Generic ESP8285 Module
ESPDuino (ESP-13 Module)
Adafruit Feather HUZZAH ESP8266
Invent One
XinaBox CW01
ESPresso Lite 1.0
ESPresso Lite 2.0
Phoenix 1.0
Phoenix 2.0
NodeMCU 0.9 (ESP-12 Module)
NodeMCU 1.0 (ESP-12E Module)
Olimex MOD-WIFI-ESP8266(-DEV)
SparkFun ESP8266 Thing
SparkFun ESP8266 Thing Dev
SparkFun Blynk Board
SweetPea ESP-210
LOLIN(WEMOS) D1 R2 & mini
LOLIN(WEMOS) D1 mini Pro
LOLIN(WEMOS) D1 mini Lite
WeMos D1 R1
ESPino (ESP-12 Module)
ThaiEasyElec's ESPino
WifInfo
Arduino
Blynk Template here
DIOJ1B"
gure a custom bo
NodeMCU 1.0 (ESP-12E Module), 80 MHz, Flash, Legacy (new can return null
Type here to search

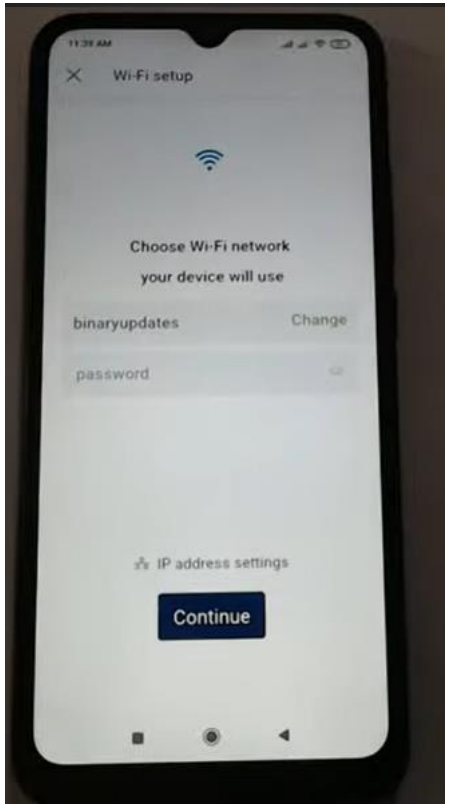

Edgent_ESP8266 | Arduino 1.8.16
File Edit Sketch Tools Help
Edgent_ESP8266 §
1 // Fill-in infor
2 #define BLYNK_TE
3 #define BLYNK_DE
4
5 #define BLYNK_FI
6
7 #define BLYNK_PR
8 //#define BLYNK_
9
10 #define APP_DEBU
11
12 // Uncomment you
13 //#define USE_SP
14 //#define USE_NO
15 //#define USE_WI
COM3
Send
[395] Device: NodeMCU @ 80MHz
[398] MAC: 60:01:94:24:F7:08
[401] Flash: 4096K
[403] ESP core: 2.7.4
[405] ESP SDK: 2.2.2-dev(38a443e)
[408] Boot Ver: 31
[410] Boot Mode:1
[412] FW info: 462640/1634304, MD5:0c83ffaa77d5
[615] Free mem: 30176
[616] ----------
[616] INIT => WAIT_CONFIG
[1175] AP SSID: Blynk NodeMCU-D8570
[1175] AP IP: 192.168.4.1
[1176] AP URL: blynk.setup
Autoscroll
Show timestamp
Both NL & CR
115200 baud
Clear output
Leaving...
Hard resetting via RTS pin...


11:27 AM
B
Blynk IoT


11:27 AM
Blynk
No devices yet
You don't have any devices connected yet
Add new device

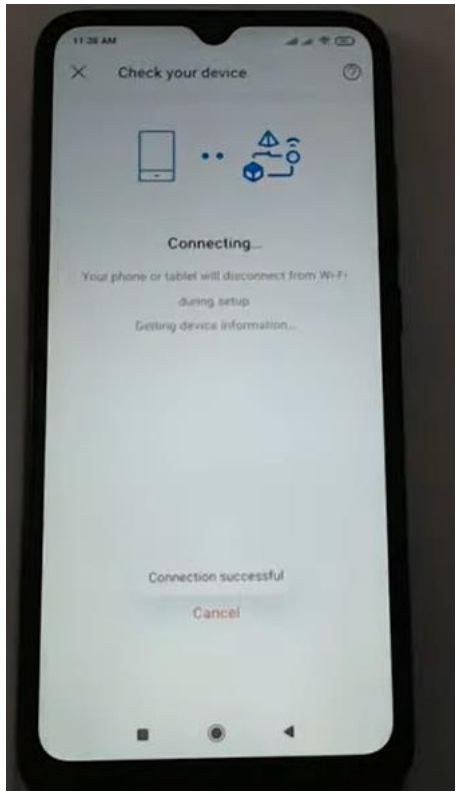

Blynk
No devices yet
You don't have any devices connected yet
Add new device
Add new device
Connect to Wi-Fi
Scan QR code
Have a QR code or other number to activate device?
Quickstart device
We will provide you with instructions and firmware code to get it online fast

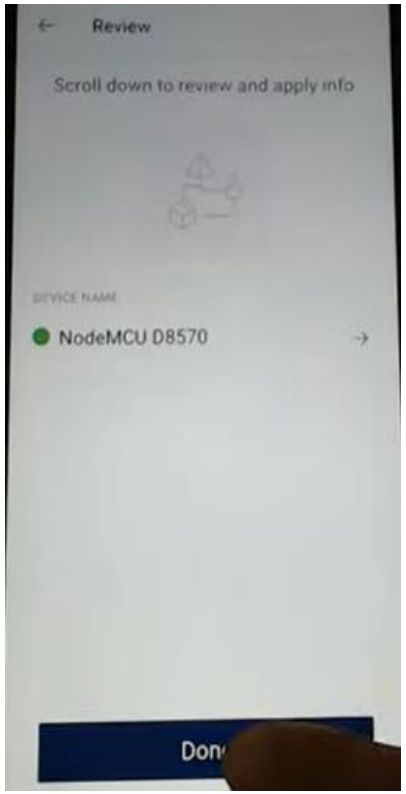

Check your device
Power On your device and make sure that indicator is blinking
Manual Connect
Ready

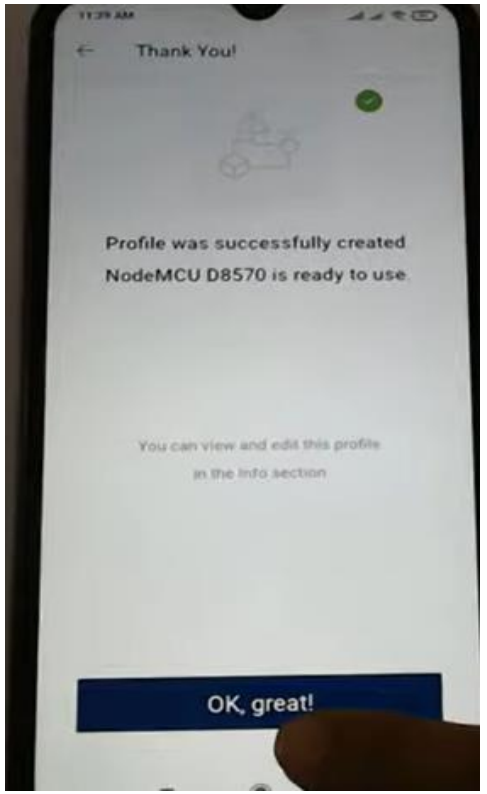

Wi-Fi setup
Choose Wi-Fi network your device will use
binaryupdates
Change
password
IP address settings
Continue

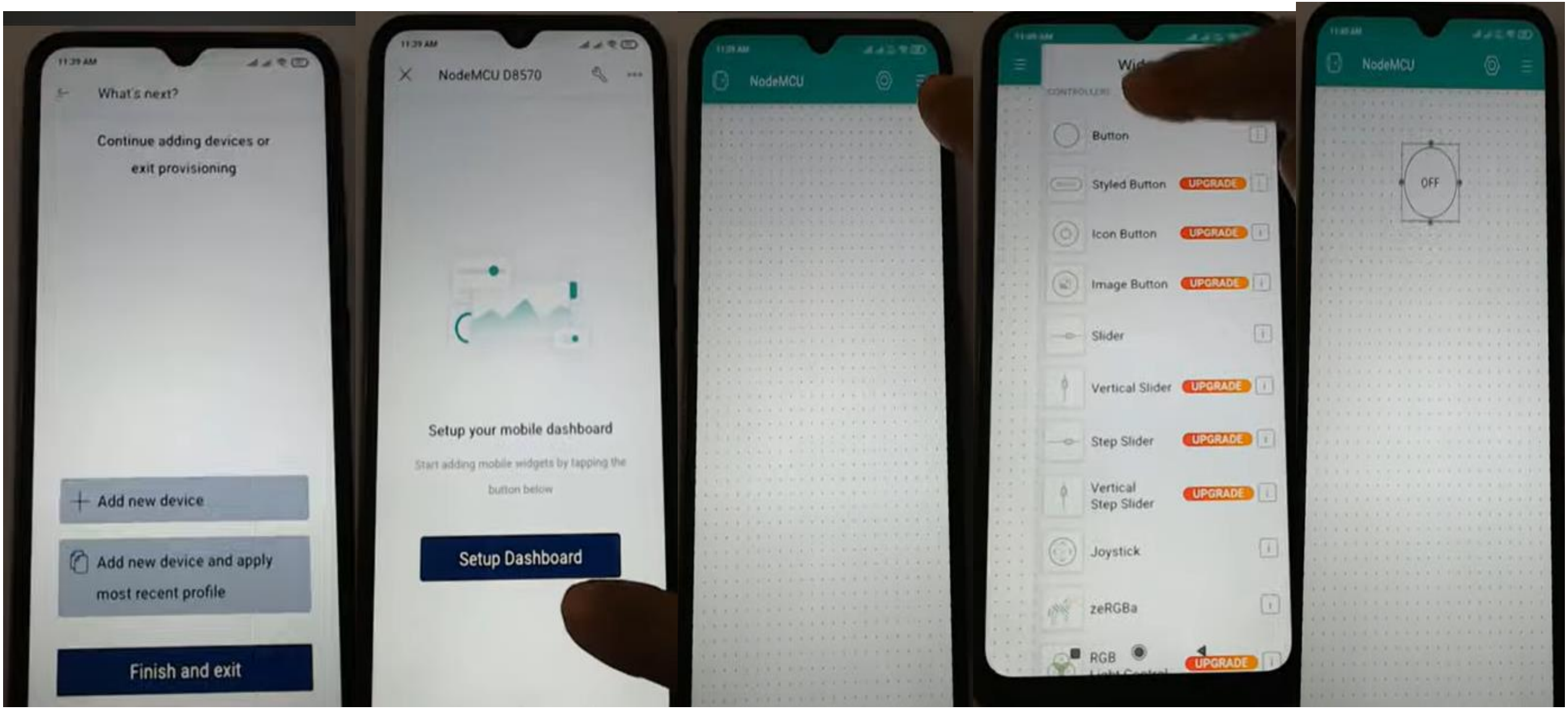

Configuring device
Configuring Wi-Fi
Reconnecting back to cloud
Waiting for device online
Cancel

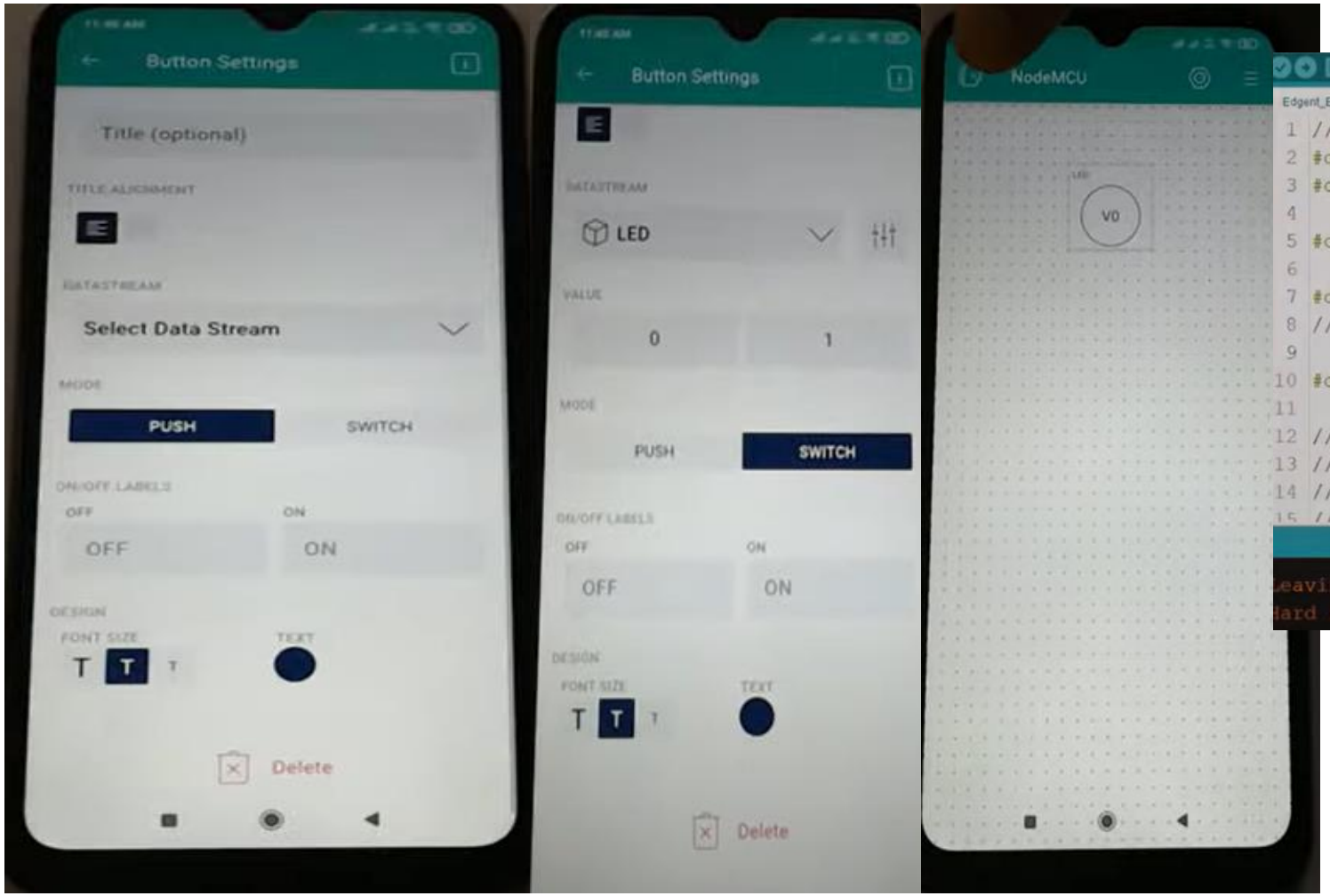

Configuring device
NodeMCU D8570 connected!
NodeMCU D8570
Continue
Cancel

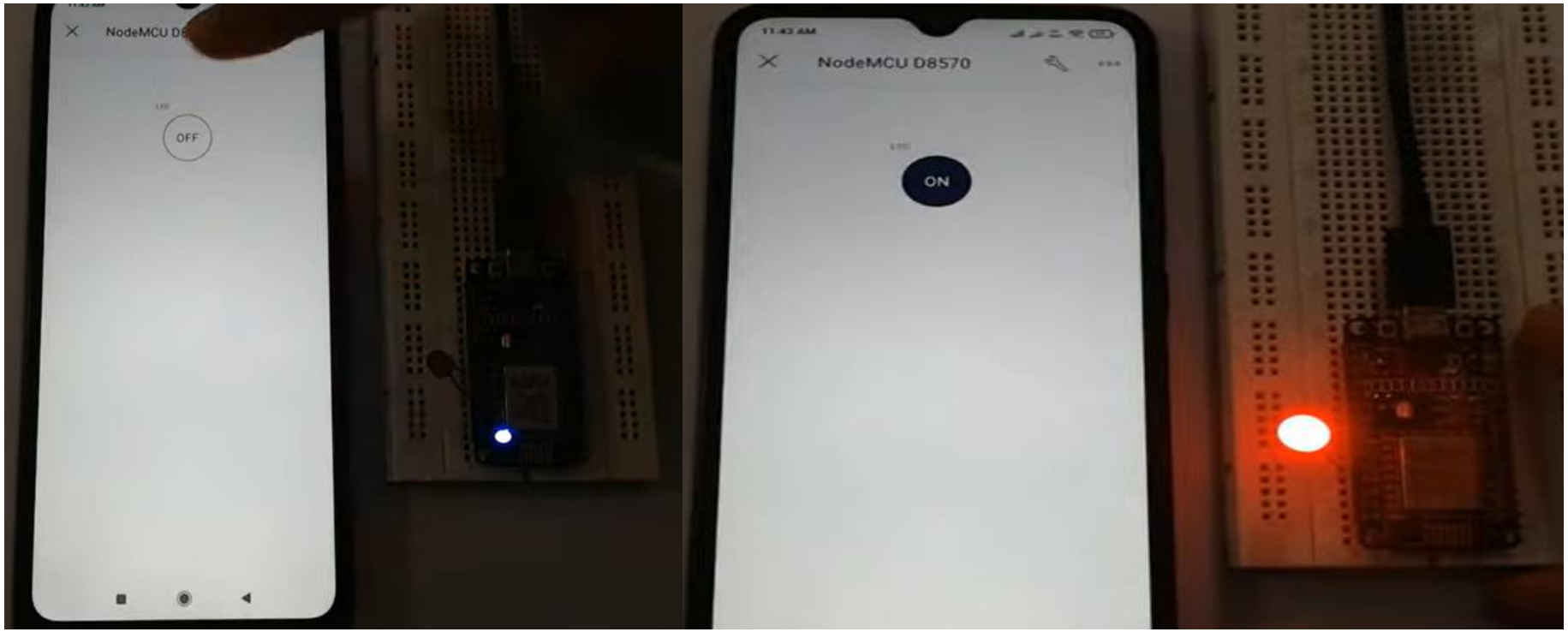

Check your device
Connecting...
Your phone or tablet will disconnect from Wi-Fi during setup
Getting device information...
Connection successful
Cancel

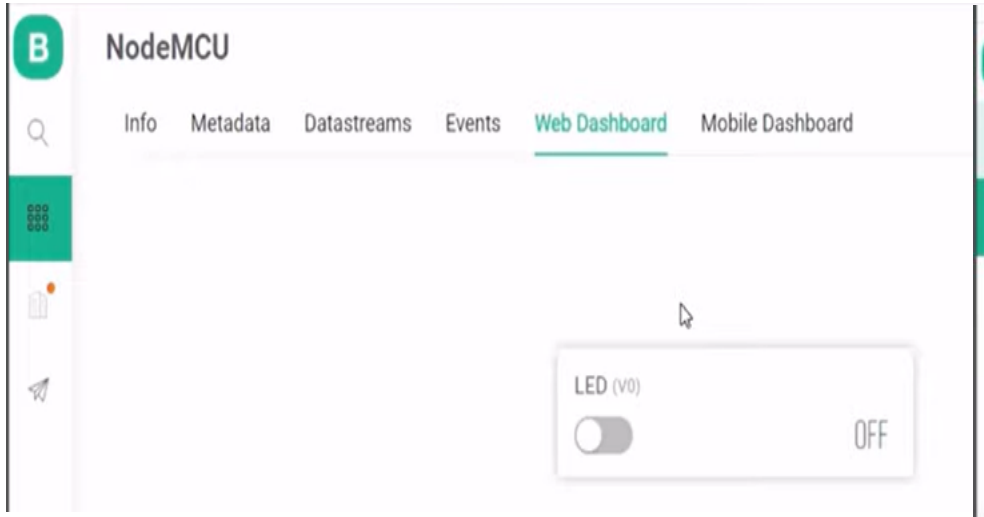

Review
Scroll down to review and apply info
NodeMCU D8570

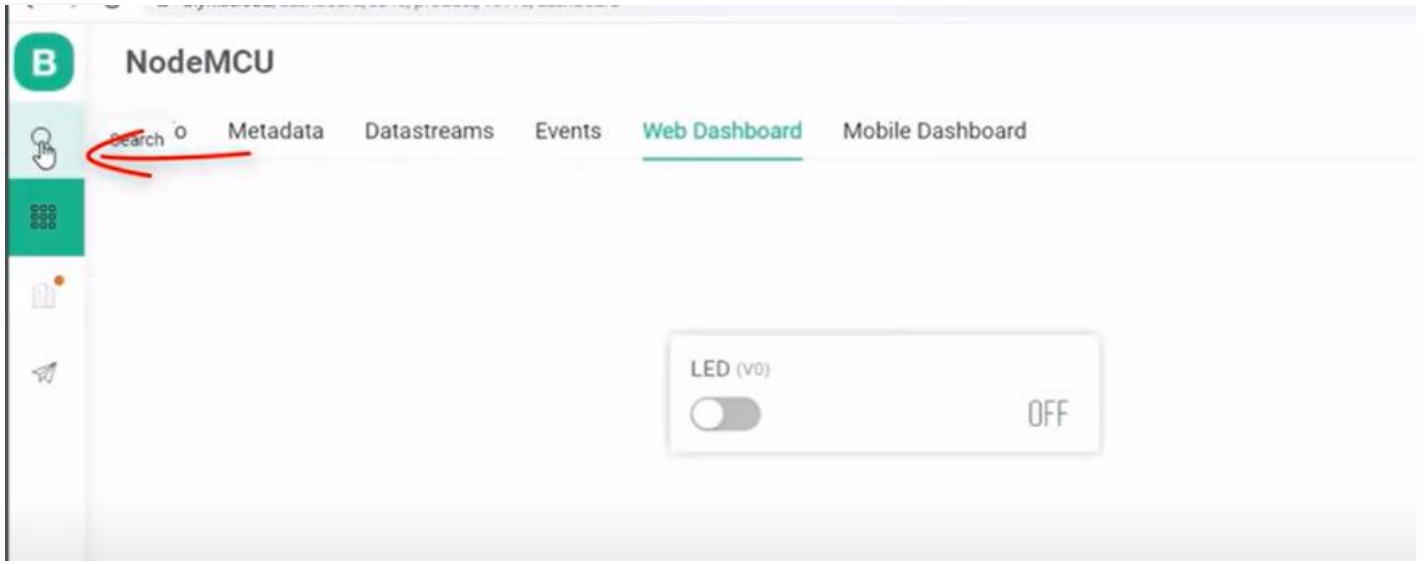

Thank You!
Profile was successfully created
NodeMCU D8570 is ready to use
You can view and edit this profile in the Info section
OK, great!

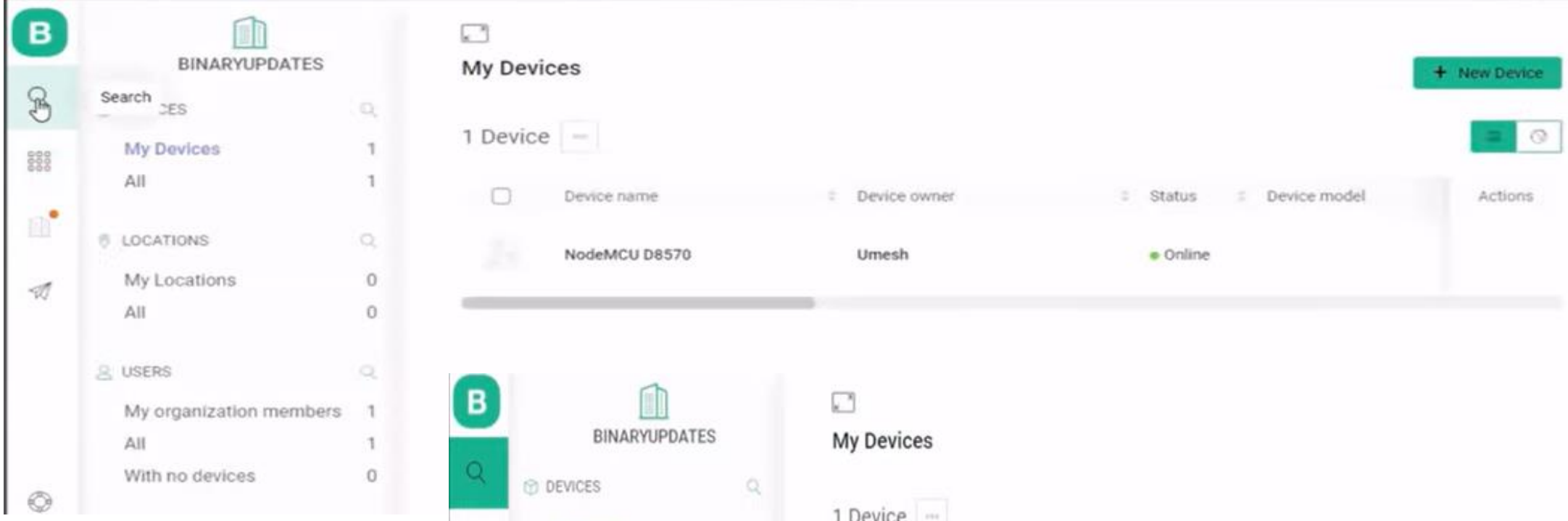

What's next?
Continue adding devices or exit provisioning
Add new device
Add new device and apply most recent profile
Finish and exit
NodeMCU D8570
Setup your mobile dashboard
Start adding mobile widgets by tapping the button below
Setup Dashboard
NodeMCU
Button
Styled Button
UPGRADE
Icon Button
UPGRADE
Image Button
UPGRADE
Slider
Vertical Slider
UPGRADE
Step Slider
UPGRADE
Vertical Step Slider
UPGRADE
Joystick
zeRGBa
RGB
UPGRADE
NodeMCU
OFF

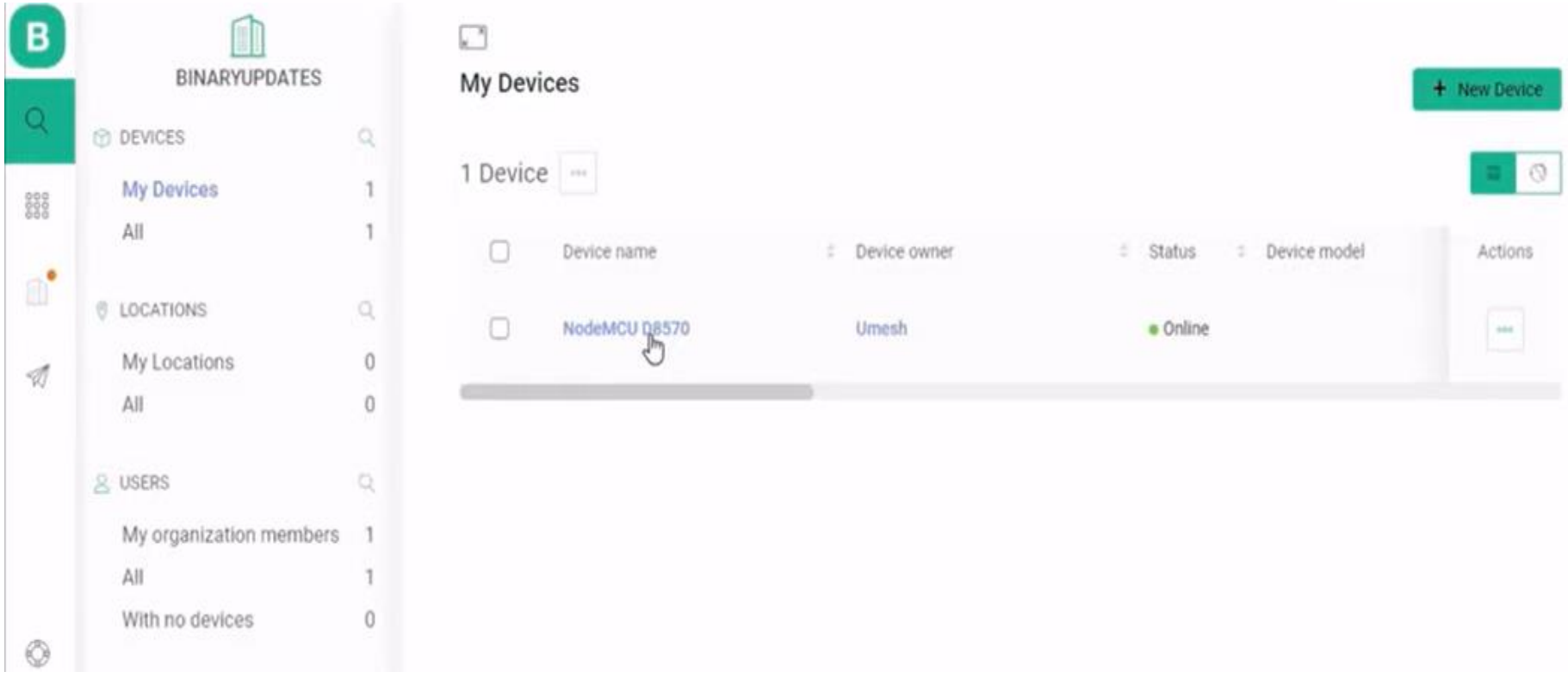

Button Settings
Title (optional)
TITLE ALIGNMENT
DATASTREAM
Select Data Stream
MODE
PUSH
SWITCH
ON/OFF LABELS
OFF
ON
OFF
ON
DESIGN
FONT SIZE
TEXT
Delete
Button Settings
DATASTREAM
LED
VALUE
0
1
MODE
PUSH
SWITCH
ON/OFF LABELS
OFF
ON
OFF
ON
DESIGN
FONT SIZE
TEXT
Delete
NodeMCU
V0
Edgent_ESP8266 §
1 // Fill-in information f
2 #define BLYNK_TEMPLATE_I
3 #define BLYNK_DEVICE_NAM
4
5 #define BLYNK_FIRMWARE_V
6
7 #define BLYNK_PRINT Seri
8 //#define BLYNK_DEBUG
9
10 #define APP_DEBUG
11
12 // Uncomment your board,
13 //#define USE_SPARKFUN_B
14 //#define USE_NODE_MCU_B
15 //#define USE_WITTY_CLOU
Leaving...
Hard resetting via RTS pin...
COM3
Send
[405] Boot Ver: 31
[407] Boot Mode:1
[409] FW info: 462640/1634304, MD5:0c83ffaa77d5
[612] Free mem: 31688
[612] ------------------------
[612] INIT => CONNECTING_NET
[617] Connecting to WiFi: binaryupdates
[6487] Using Dynamic IP: 192.168.225.23
[6487] CONNECTING_NET => CONNECTING_CLOUD
[22738] Current time: Mon Oct 11 06:21:22 2021
[22738] Connecting to blynk.cloud:443
[23930] Ready (ping: 12ms).
[24178] CONNECTING_CLOUD => RUNNING
Autoscroll
Show timestamp
Both NL & CR
115200 baud
Clear output

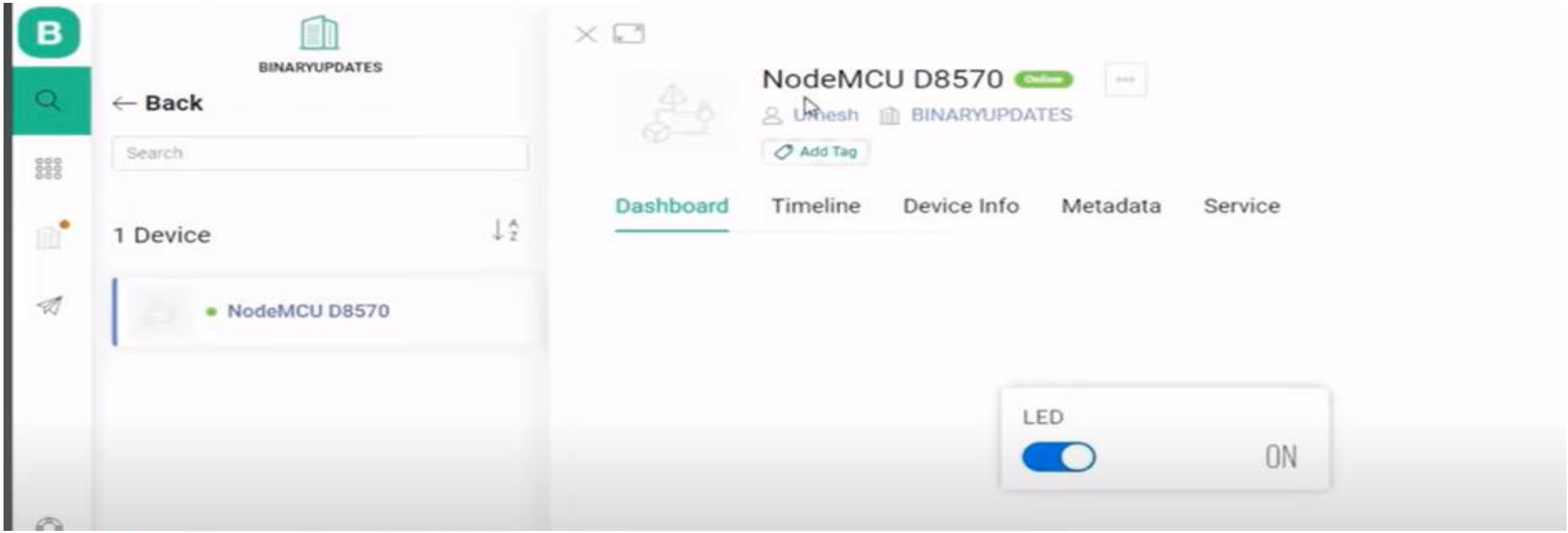

NodeMCU D8570
OFF
ON

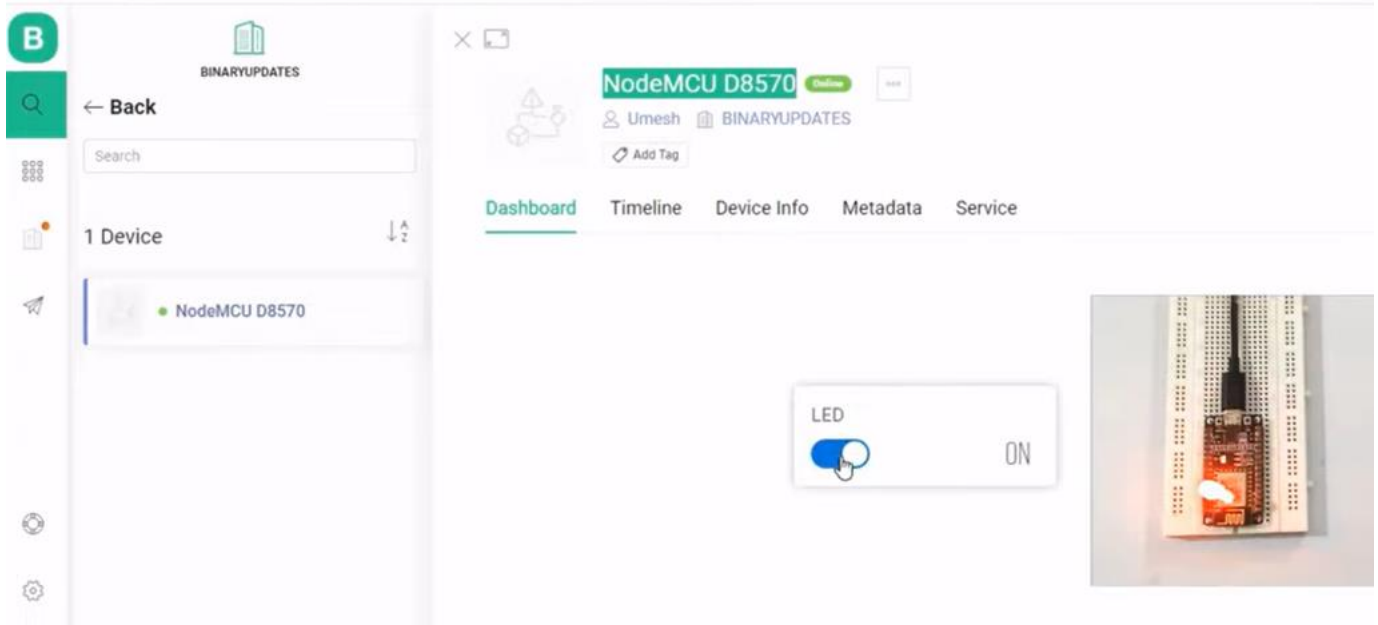

NodeMCU
Info
Metadata
Datastreams
Events
Web Dashboard
Mobile Dashboard
LED (V0)
OFF


NodeMCU
Metadata
Datastreams
Events
Web Dashboard
Mobile Dashboard
LED (V0)
OFF


BINARYUPDATES
Search
My Devices 1
All 1
LOCATIONS
My Locations 0
All 0
USERS
My organization members 1
All 1
With no devices 0
My Devices
+ New Device
1 Device
Device name
Device owner
Status
Device model
Actions
NodeMCU D8570
Umesh
Online


BINARYUPDATES
DEVICES
My Devices 1
All 1
LOCATIONS
My Locations 0
All 0
USERS
My organization members 1
All 1
With no devices 0
My Devices
+ New Device
1 Device
Device name
Device owner
Status
Device model
Actions
NodeMCU D8570
Umesh
Online


BINARYUPDATES
Back
Search
1 Device
NodeMCU D8570
NodeMCU D8570
Online
Umesh
BINARYUPDATES
Add Tag
Dashboard
Timeline
Device Info
Metadata
Service
LED
ON


BINARYUPDATES
Back
Search
1 Device
NodeMCU D8570
NodeMCU D8570
Online
Umesh
BINARYUPDATES
Add Tag
Dashboard
Timeline
Device Info
Metadata
Service
LED
ON

Thingspeak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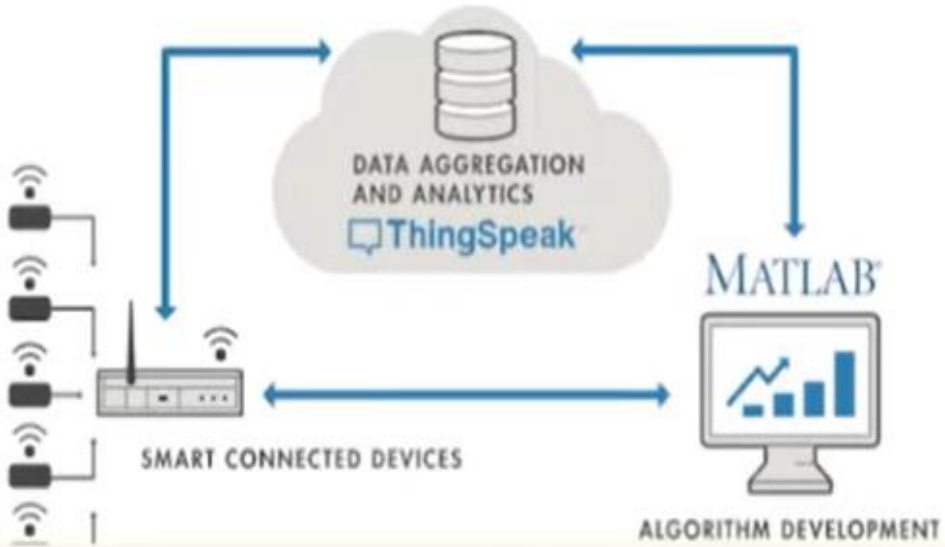
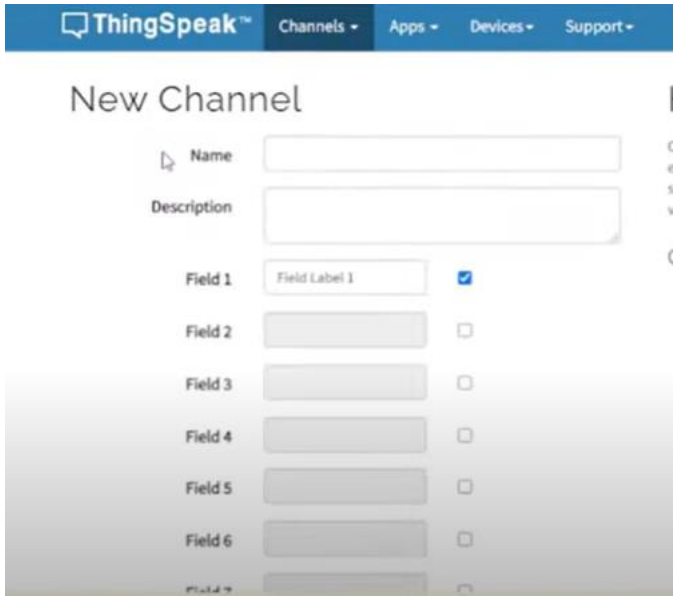
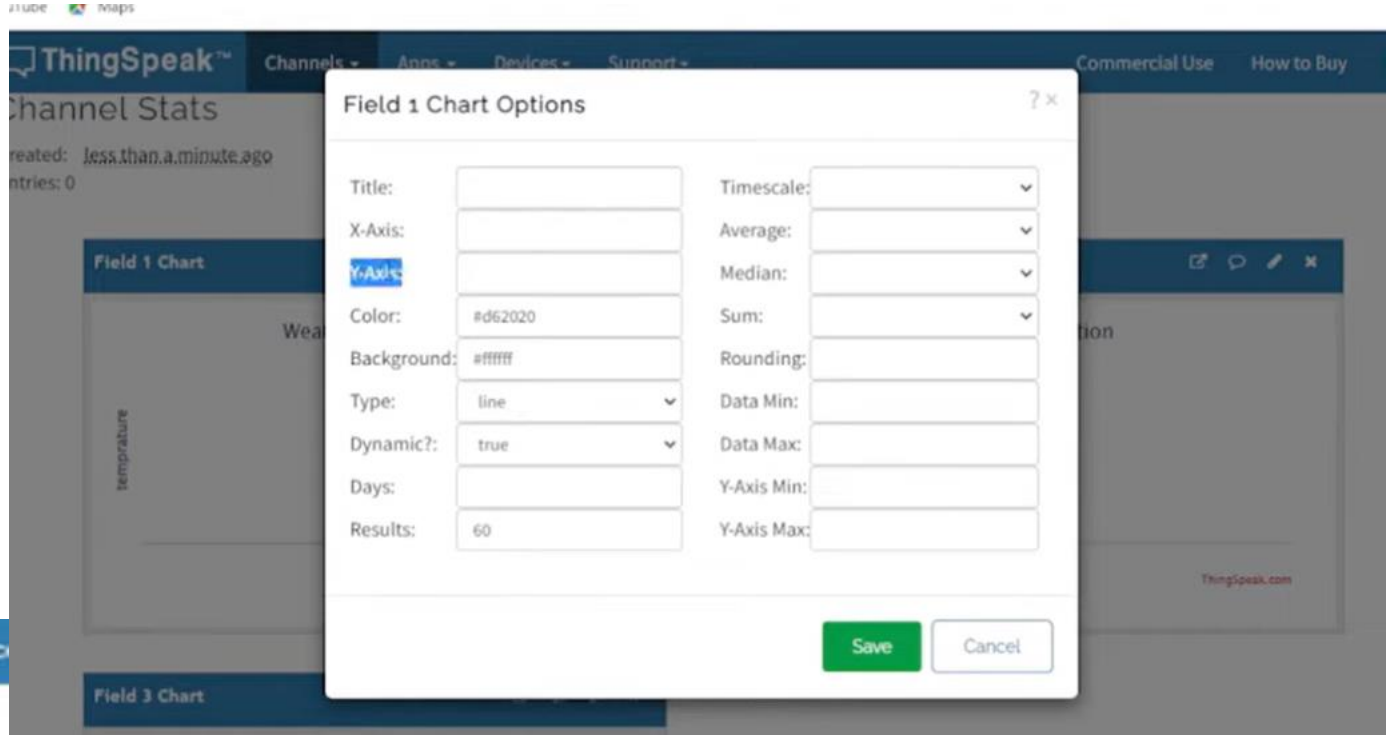
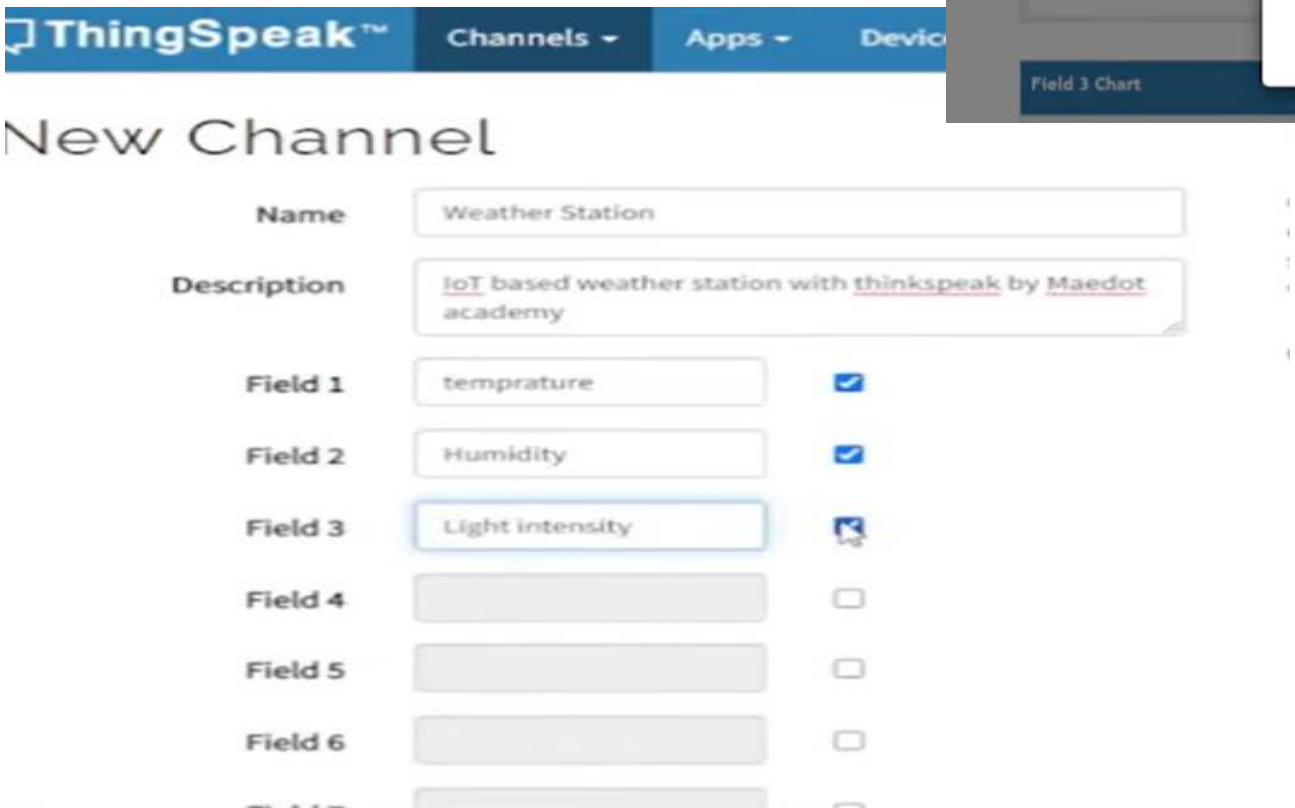
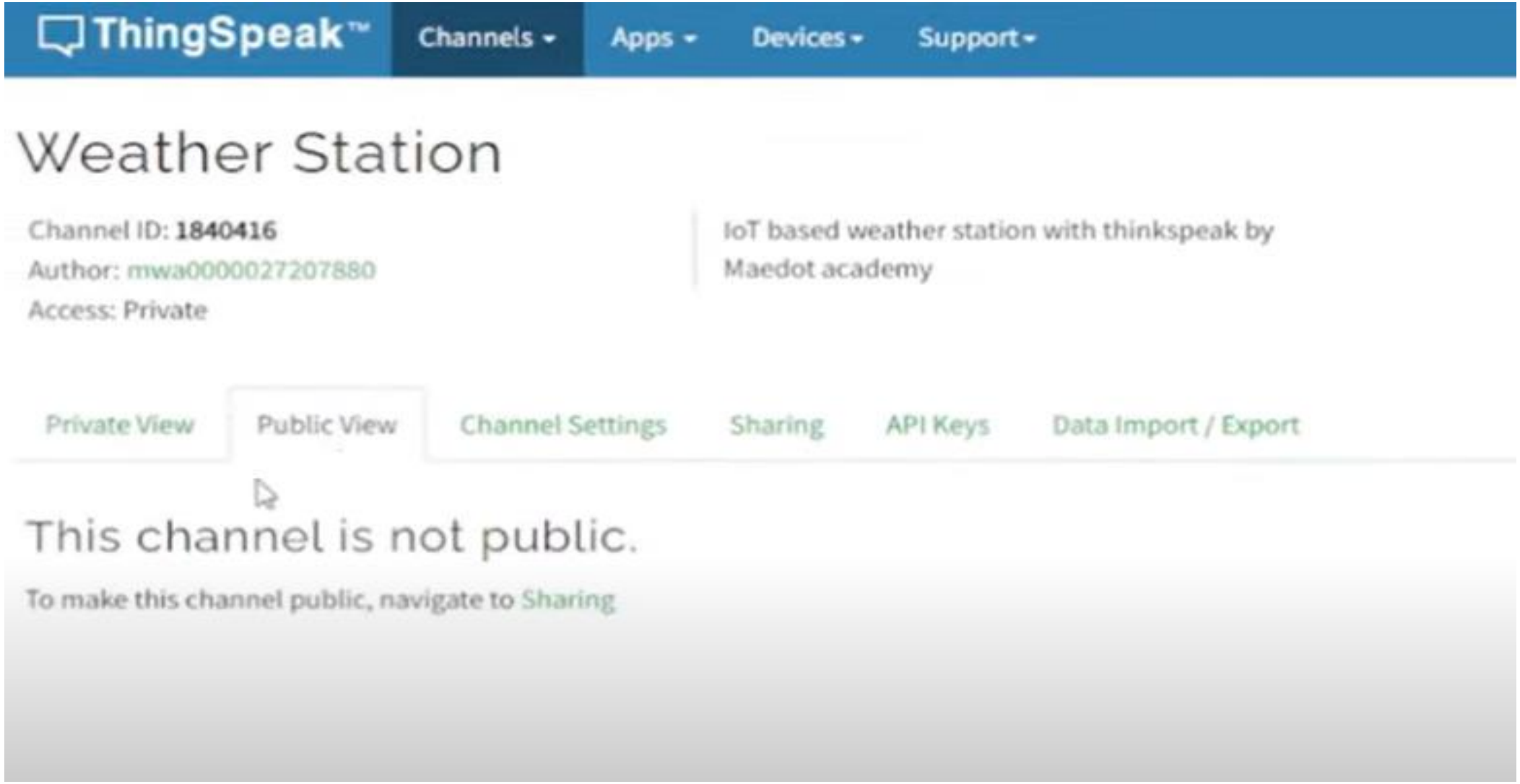



ThingSpeak™
Channels
Apps
Devices
Support
New Channel
Name
Description
Field 1
Field Label 1
Field 2
Field 3
Field 4
Field 5
Field 6


ThingSpeak™
Channels
Apps
Devices
Support
Commercial Use
How to Buy
Channel Stats
Created: less than a minute ago
Entries: 0
Field 1 Chart
Field 3 Chart
Field 1 Chart Options
Title:
X-Axis:
Y-Axis:
Color: #d62020
Background: #ffffff
Type: line
Dynamic?: true
Days:
Results: 60
Timescale:
Average:
Median:
Sum:
Rounding:
Data Min:
Data Max:
Y-Axis Min:
Y-Axis Max:
Save
Cancel


ThingSpeak™
Channels
Apps
New Channel
Name
Weather Station
Description
IoT based weather station with thinkspeak by Maedot academy
Field 1
temprature
Field 2
Humidity
Field 3
Light intensity
Field 4
Field 5
Field 6


ThingSpeak™
Channels
Apps
Devices
Support
Weather Station
Channel ID: 1840416
Author: mwa0000027207880
Access: Private
IoT based weather station with thinkspeak by
Maedot academy
Private View
Public View
Channel Settings
Sharing
API Keys
Data Import / Export
This channel is not public.
To make this channel public, navigate to Sharing