

SINGE

MAKERS

# TEMAS DE AVANCE

- Cayenne





# **CAYENNE**

Cayenne: es un servicio en la nube, que permite conocer el comportamiento de algún dispositivo electrónico de manera remota.

Su página principal es:

https://mydevices.com/



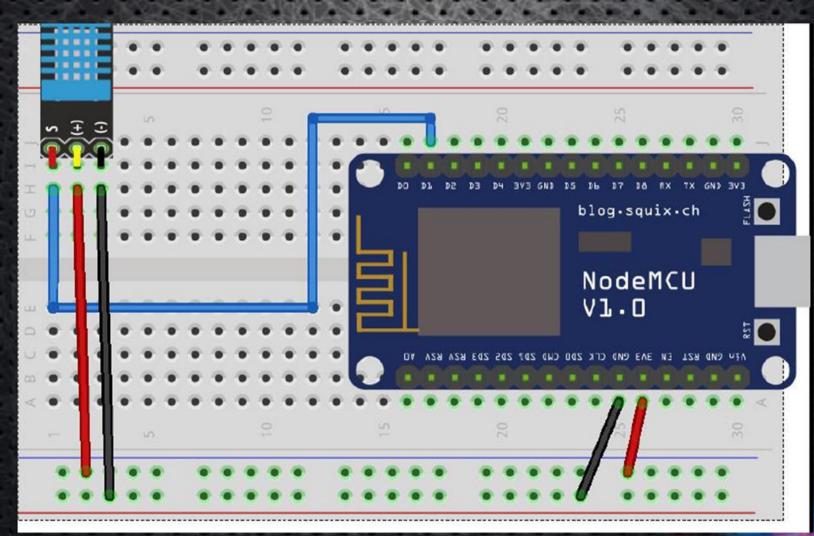


# MONITOREANDO LA TEMPERATURA Y HUMEDAD

Cayenne

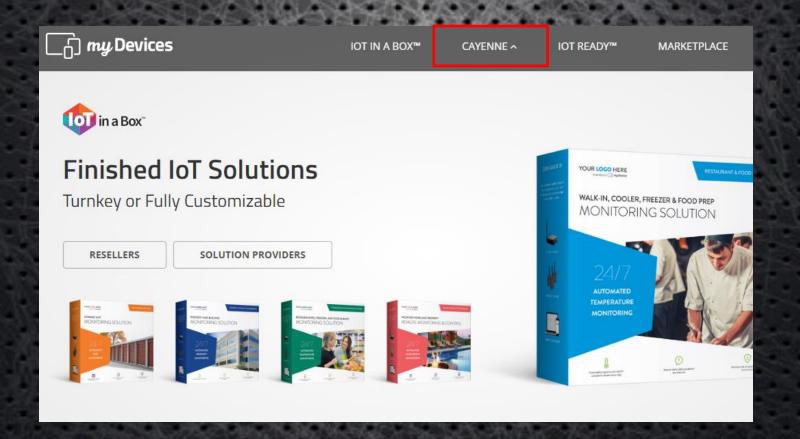


# **ESQUEMA**















IOT IN A BOX™

CAYENNE ~

IOT READY™

MARKETPLACE

Supported Hardware LoRa-Ready, Arduino, ESP8266, All

Docs

Cloud API, LoRa, MQTT API, All

Forum

Community Help, Cayenne APIs, All Topics

Features

Customizable Dashboard

Remote Control

Alerts

Triggers

Scheduling

------

Asset Tracking Custom Code

MQTT API LoRaWAN™ Kic

















Your Dashboard. Your Design.

Customize your online and mobile dashboard with drag-and-drop widgets.

Cayenne . Features





IOT IN A BOX™

CAYENNE ^

IOT READY™

MARKETPLACE

#### Cayenne

The world's first drag-and-drop IoT project builder



























Your Dashboard. Your Design.

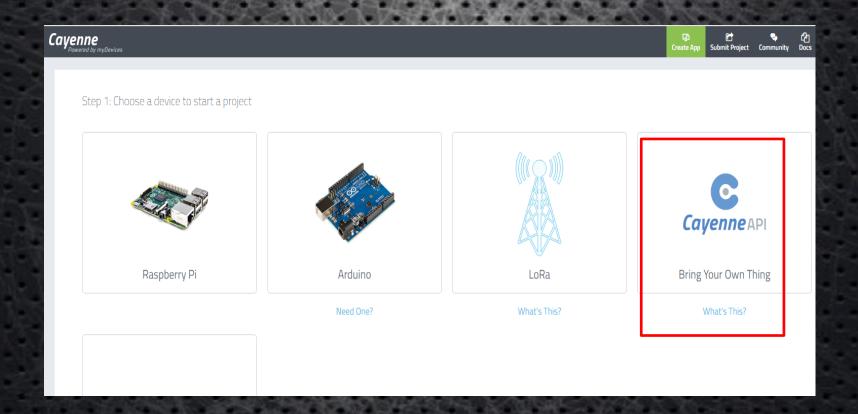
Customize your online and mobile dashboard with drag-and-drop widgets.



my Devices	IOT IN A BOXT	CAYENNE ^ IO
Start	Building Today	
First Name	Last Name	
Email Address	Password	<b>(</b>

Registro Cayenne





Seleccionar el dispositivo que desea controlar



Step 2: Connect your Device			
OFFICIAL SDKS		MQTT USERNAME:	
Arduino MQTT	O @ O	969d2e00-8262-11e9-9636-f9904f7b864b	42
Cayenne MQTT mbed	O @ O	MQTT PASSWORD:	
		1d10b5d481f82273fdced83471a6b6d1b0979470	42
Embedded C	<b>೧</b> 🖺	CLIENT ID:	
C++	<b>O</b> @	4ce8c150-8269-11e9-be3b-372b0d2759ae	42
Cayenne MQTT Python	0	MQTT SERVER: MQTT POR	RT:
Node.JS	0	mqtt.mydevices.com 1883	
• View all SDKs on GitHub		Device Nickname	
NEED HELP? MOTT API Docs		**: Waiting for board to connect	



Abrir el sketch (PruebaCayenne.ino). Copiar las librerias a Documents/Arduino/Libraries.

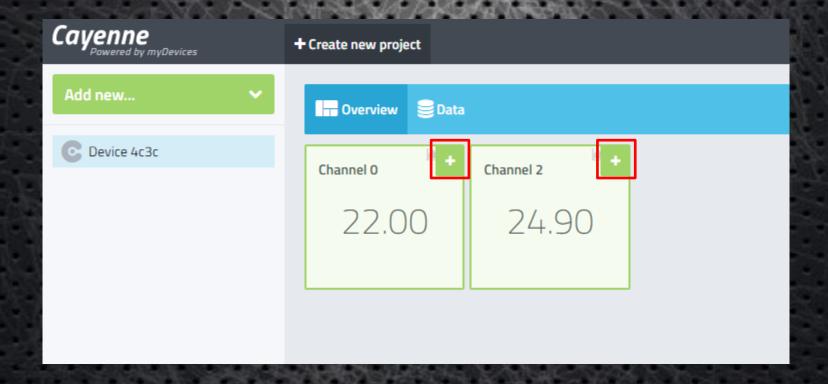
Copiar el mqtt username, password, client id de cayenne al sketch.ino.



```
// WiFi network info.
char ssid[] = "";
char wifiPassword[] = "";

// Cayenne authentication info. This should be obtained from the Cayenne Dashboard.
char username[] = "";
char password[] = "";
char clientID[] = "";
```

Una vez copiado lo necesario subir el sketch a la placa nodemcu.



Los datos capturados por el sensor se pueden ver desde la plataforma cayenne.

MAKERS

Temperatura	×
General	
Widget Name Temperatura	
Channel O	
Choose Icon	<b>—</b>
Number of decimals 2	
Remove	Save



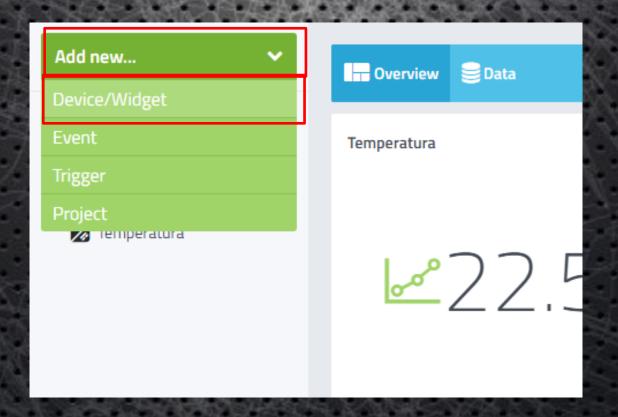
Temperatura

<u>≈</u>22.60

Humedad







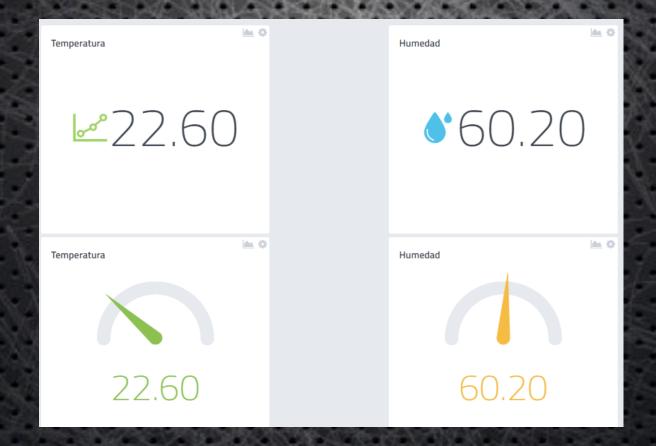
Add new – Device/Widget



Gauge Display Widget		
Name		
Device Device 4c3c		
Sensor		
Data	•	
Unit	•	
Channel		
Gauge Min Value (optional)		
Gauge Max Value (optional)		
Step 1: Code		
Add Widget		

Configurar el Gauge



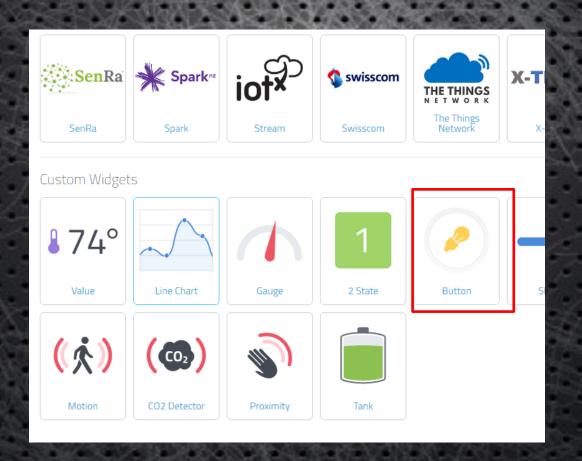




# ENCENDIENDO UN LED

Cayenne





Adicionar un Button



	Button Controller Widget
T.	Name Led
	Device Device 4c3c
	Sensor
	Data
	Unit
T	Channel 1
	Choose Icon  Button
	Step 1: Code
	Add Widget

Configurar el Button

