

CONSTRUYENDO UNA RED GLOBAL DE INTERNET DE LAS COSAS ENTRE TOD@S

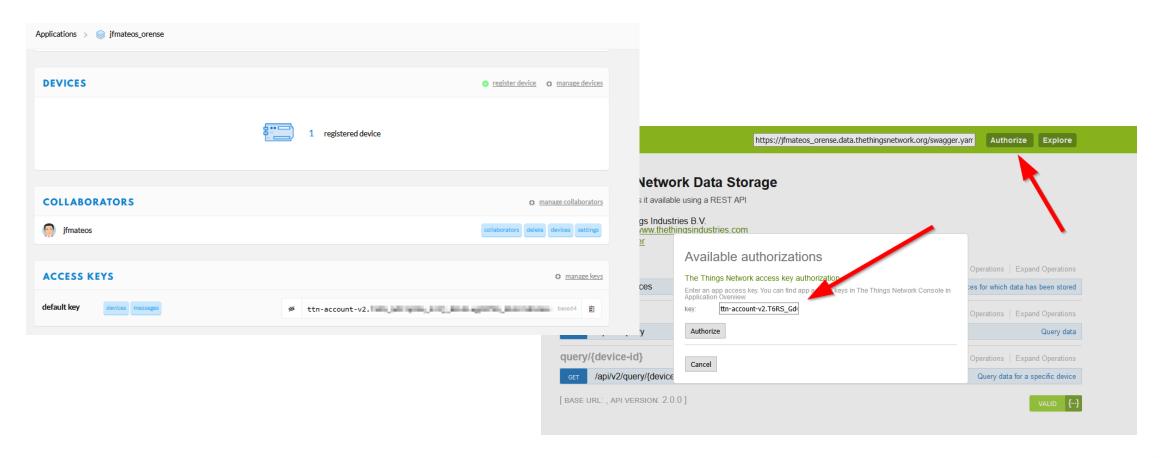


Integraciones

- Data Storage
- Cayenne
- IFTTT
- Node-RED

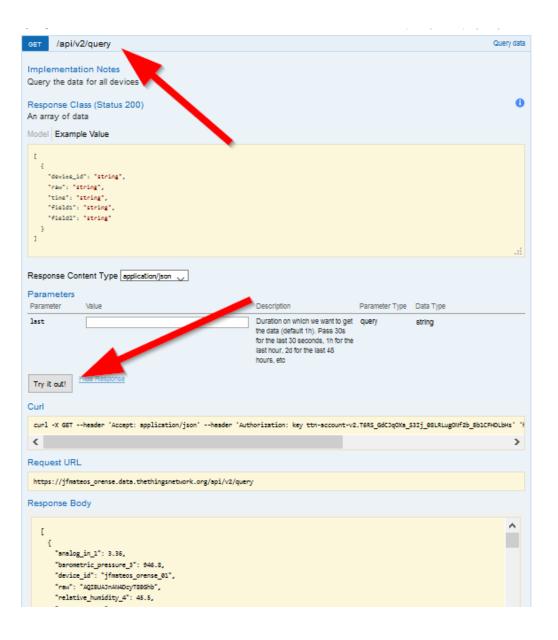


Data Storage



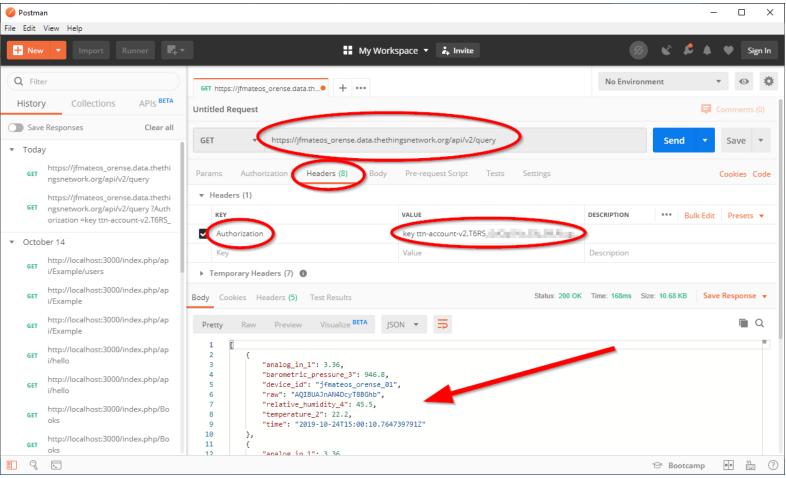


Data Storage

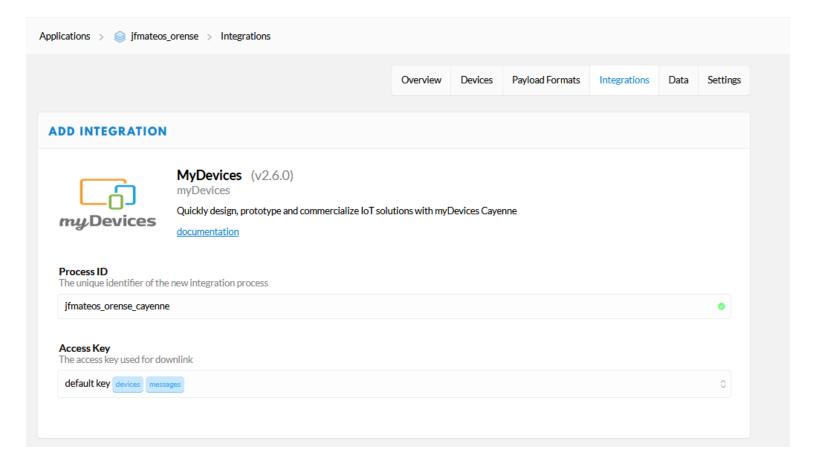




Data Storage

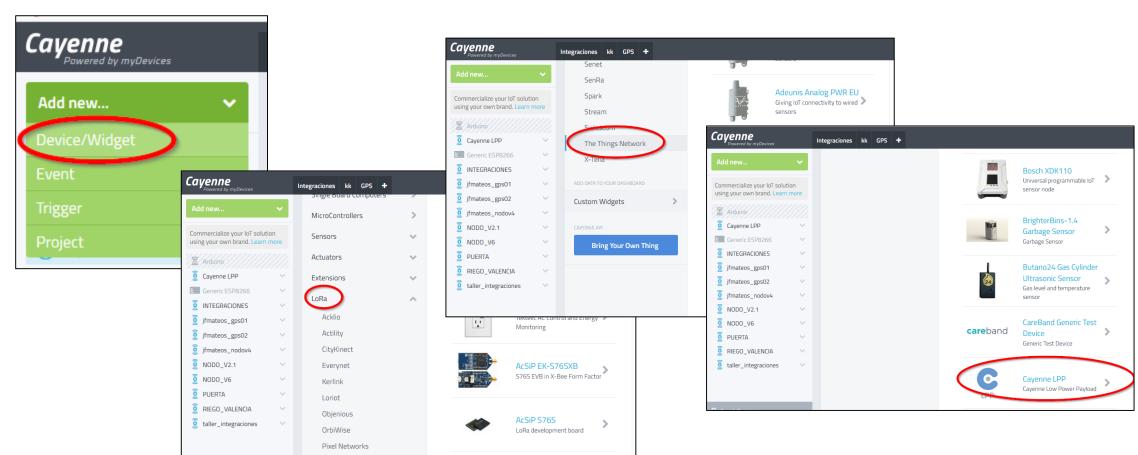






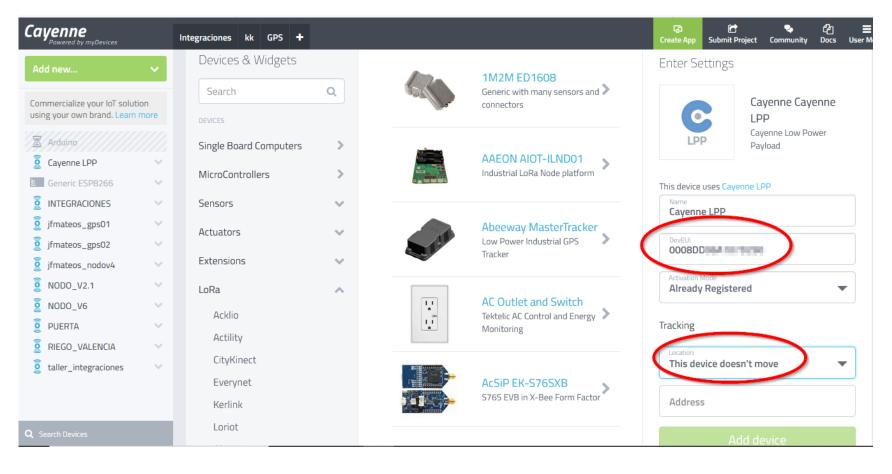


Sagemcom

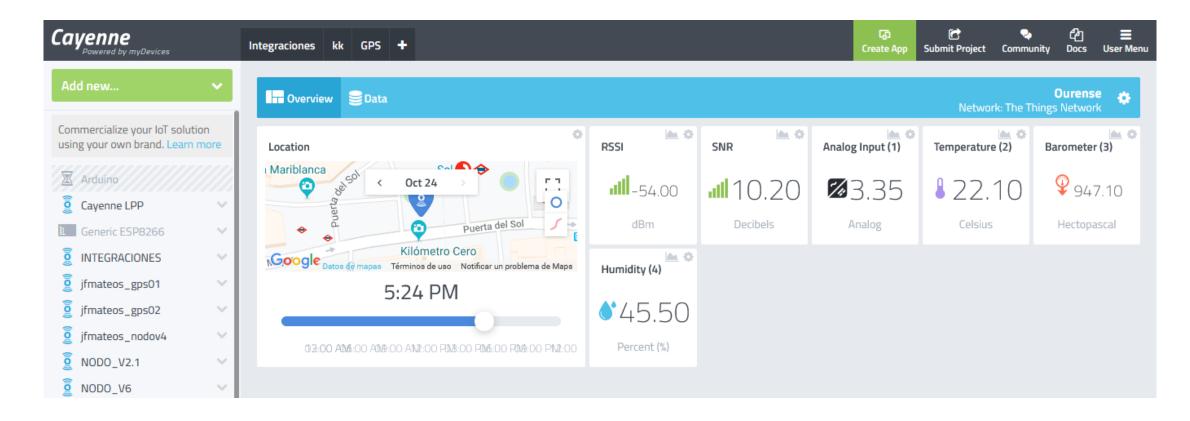




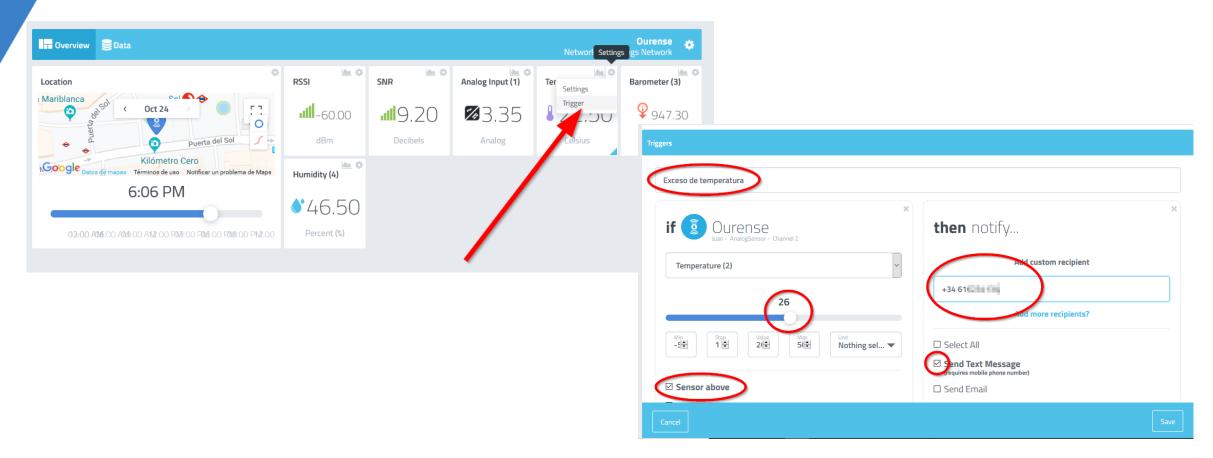
Adeunis Analog EU



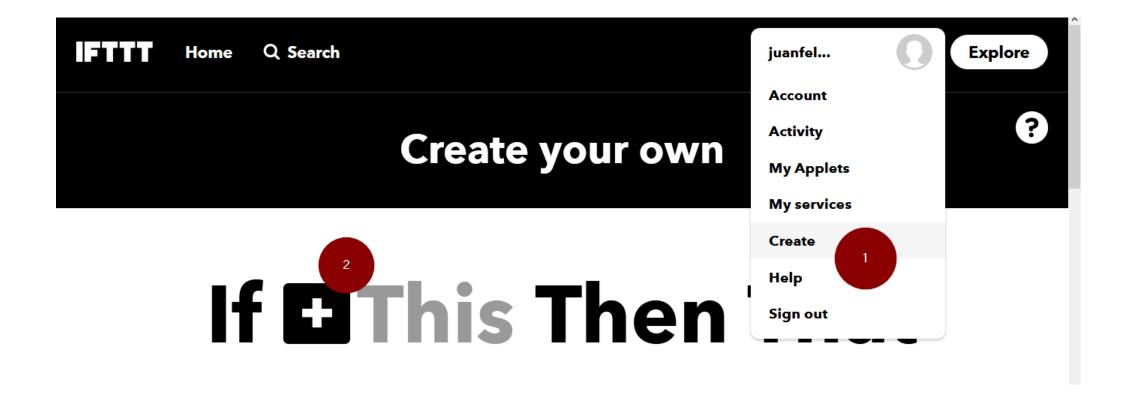




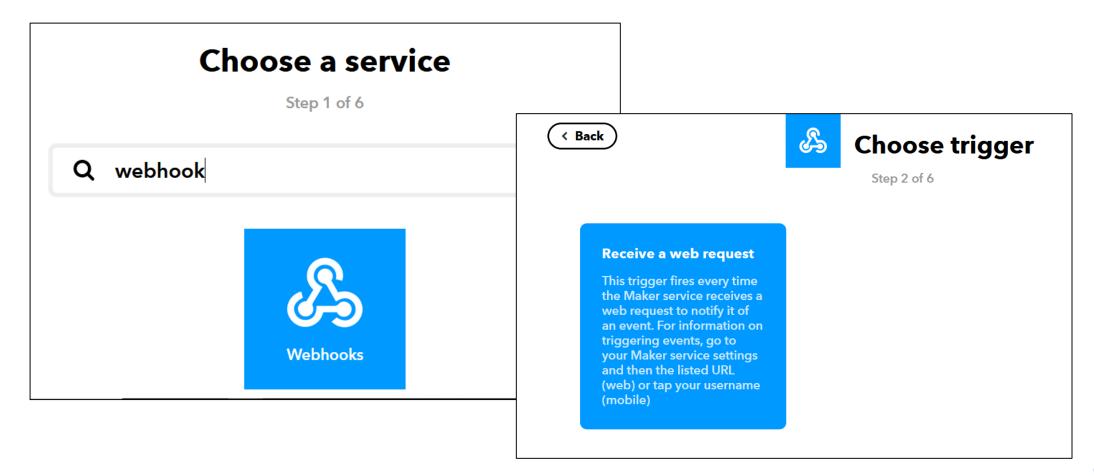










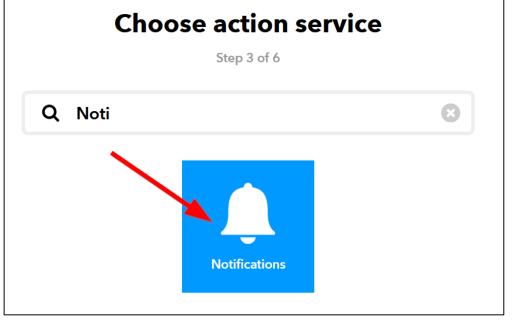






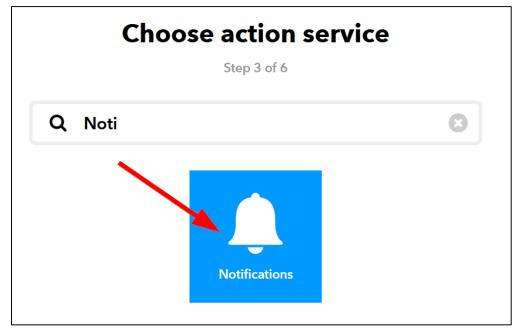


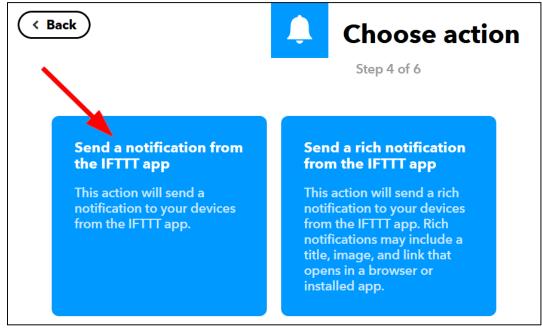






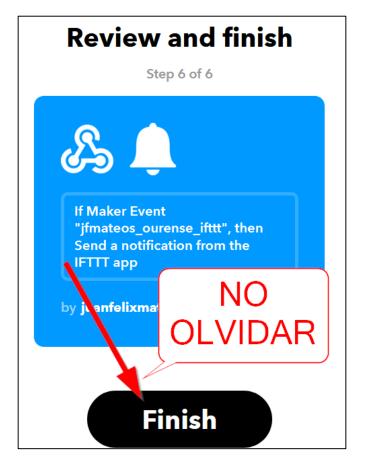




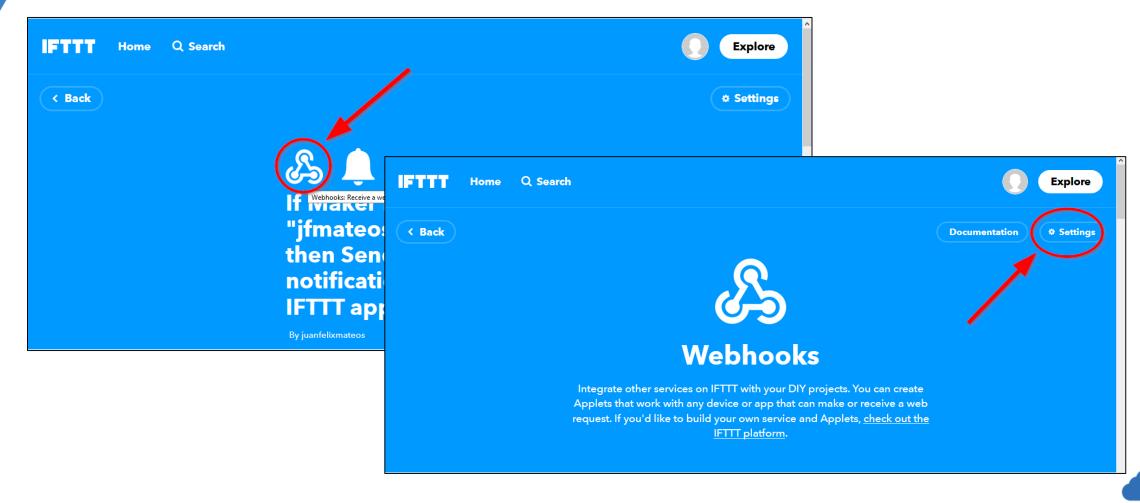


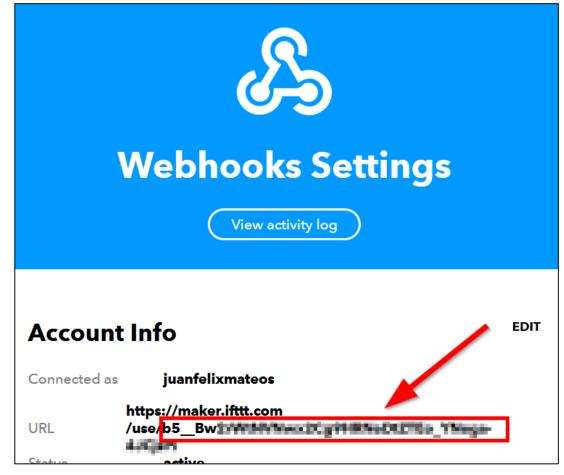




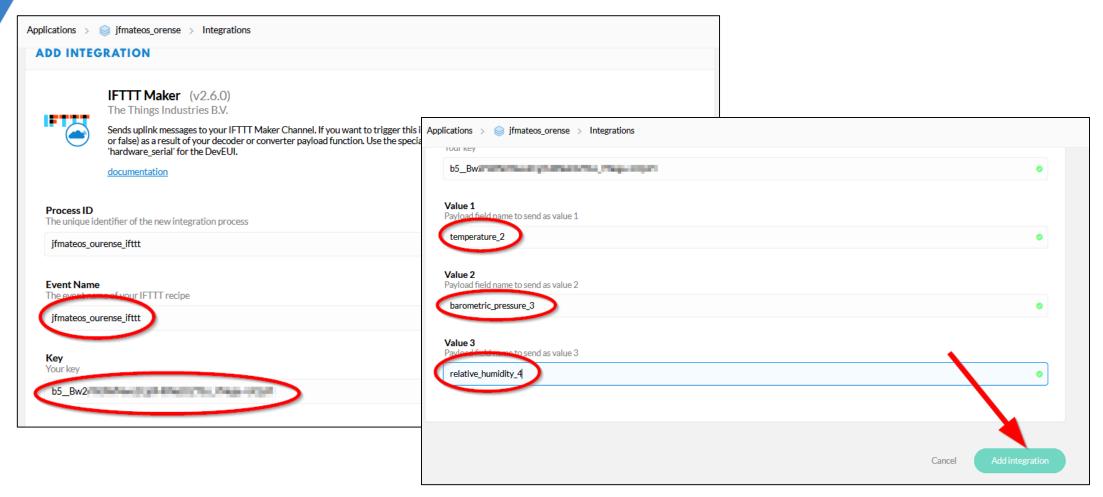






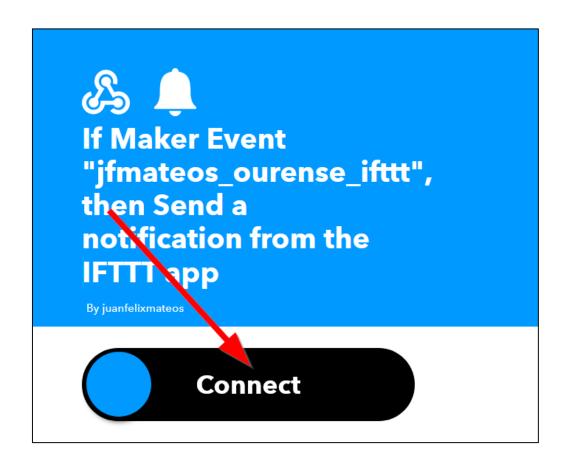














Node-RED

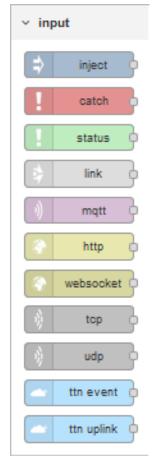
- Desarrollado por IBM en 2013 → Open Source
- Objetivo: Facilitar la construcción de sistemas IoT
- Programación visual basada en nodos y flujos
- Los nodos "consumen" y "produce" mensajes
- Un mensaje es un objeto JavaScript, que contiene al menos la propiedad payload
 - msg={payload:"juanfe"};
 - Adicionalmente, por defecto, todos los mensajes poseen las propiedades topic y _msgid



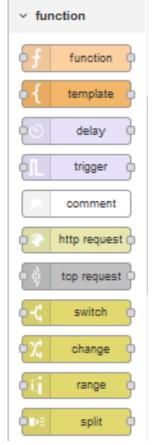


Node-RED: Tipos de nodos

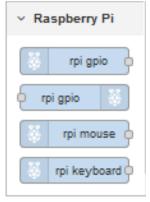
- Entrada
- Salida
- Función
- Otros









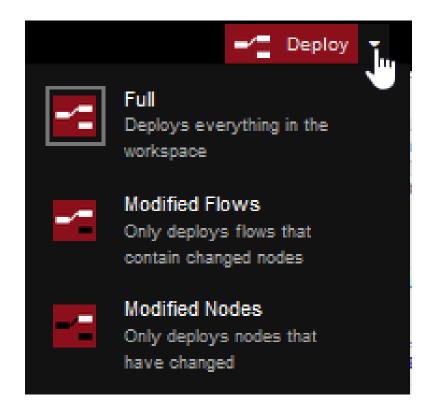




Node-RED: Nodos y deployment

• Deployment/Despliegue = Poner en funcionamiento

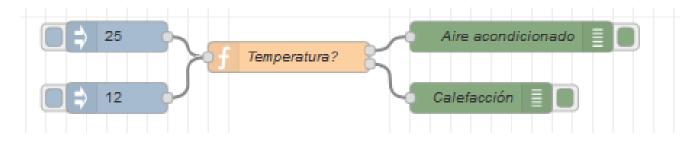






Node-RED: Ejemplo básico

• En función del valor recibido, redirigimos la ejecución hacia un nodo u otro

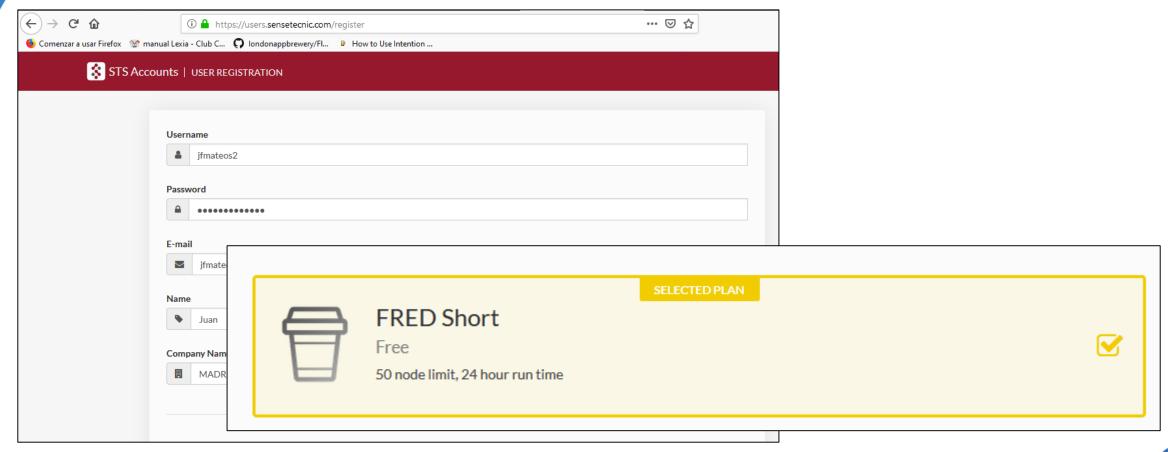


```
Name
Temperatura?

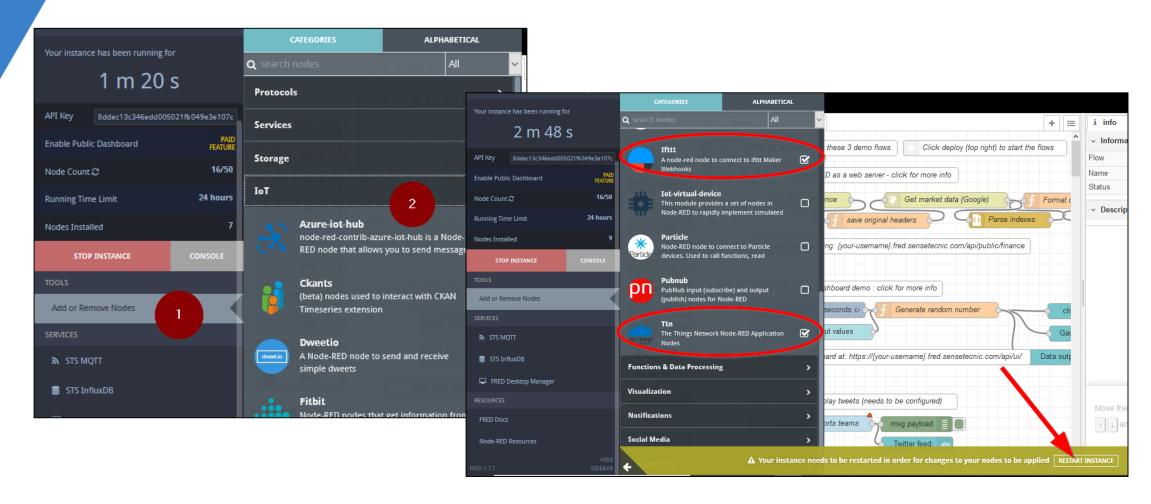
Function

if(msg.payload>22){
    msg.payload="Hace calor";
    return [msg,null];
    4 * }else{
    msg.payload="Hace frío";
    return [null,msg];
    7 * }
```

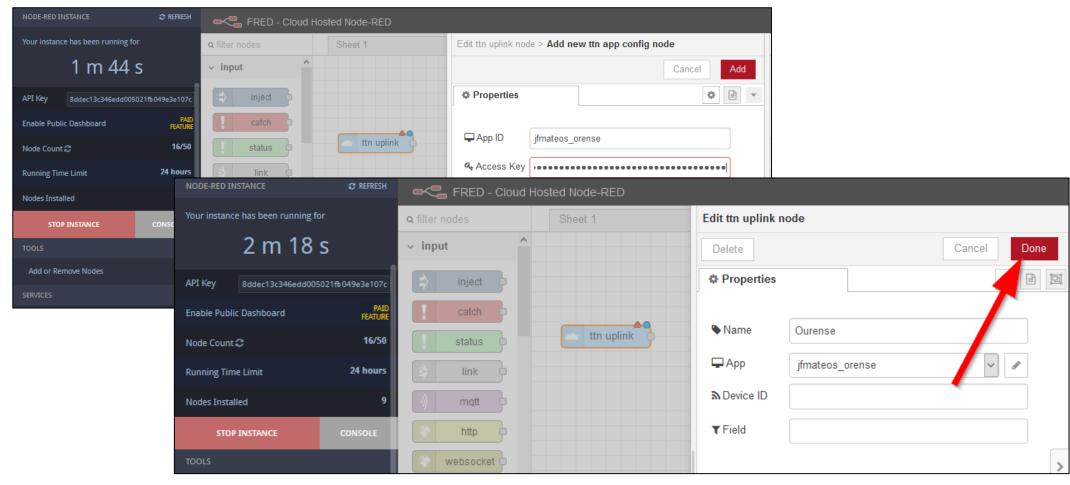




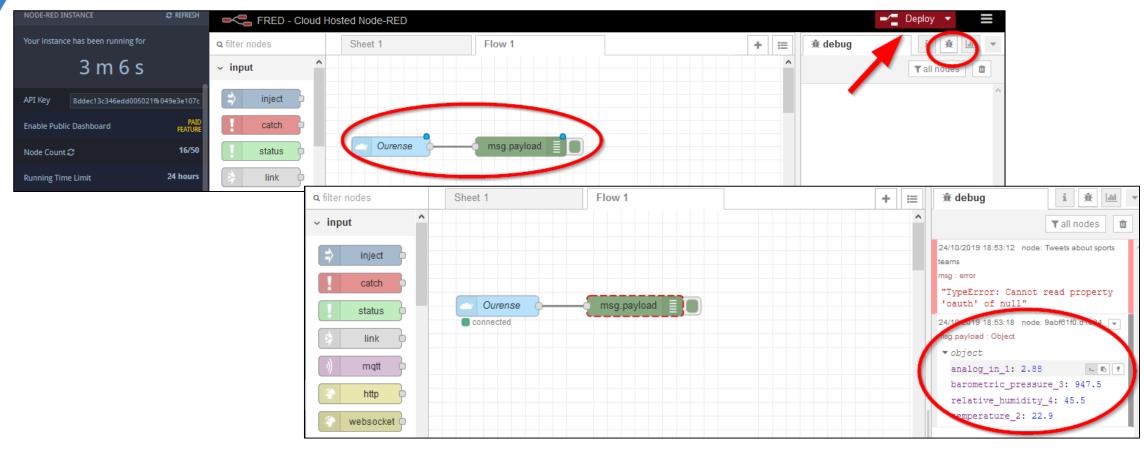






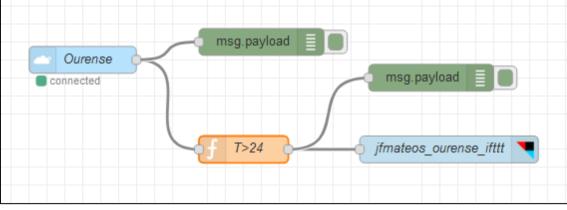


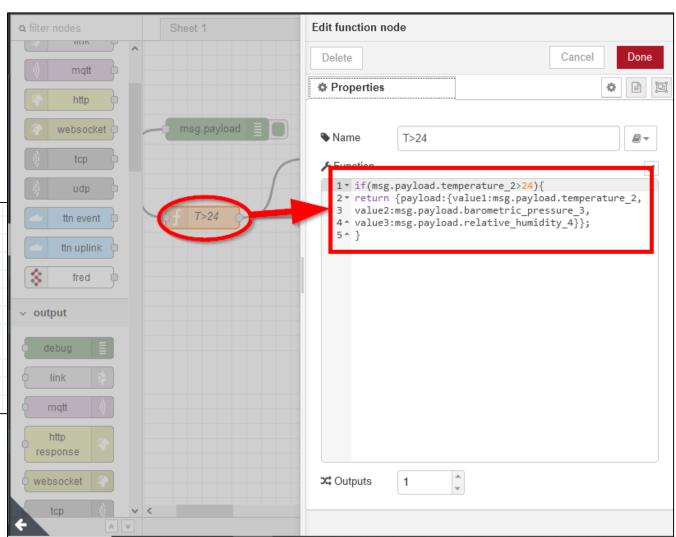














HTTP Integration

Podemos utilizar RequestBin para analizar el formato que utiliza TTN







YOU ARE THE NETWORK LET'S BUILD THIS THING TOGETHER!

