# SENDING DATA FROM RASPBERRY-PI TO IBM WATSON

Team ID	PNT2022TMID34127
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

### Aim:

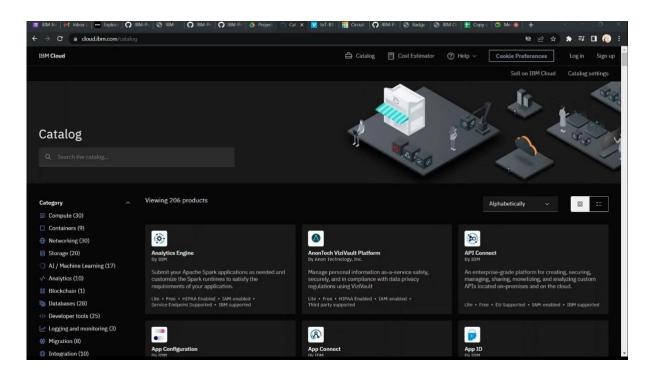
To send sensor data from the Raspberry Pi to IBM Watson. In our case, the data is from DHT sensors.

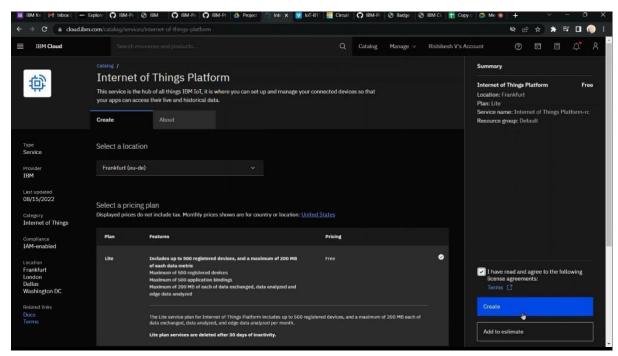
# Requirements:

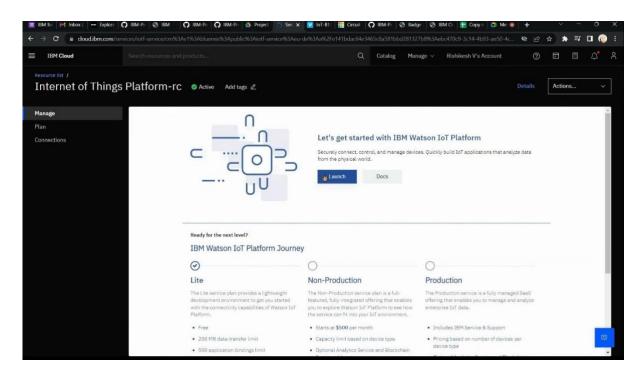
- **❖** Hardware Requirements
- o RASPBERRY-PI(3B)
  - (WITH ETHERNET CABLE OR WIFI CONNECTED)
- o USB MOUSE
- o USB KEYBOARD
- o DHT-11 Sensor
- o MONITOR
- o RASPBERRY'S POWER SUPPLY
- VGA TO HDMI CABLE
- o Connecting Wires
  - **❖** Software Requirements
- IBM BLUEMIX ACCOUNT

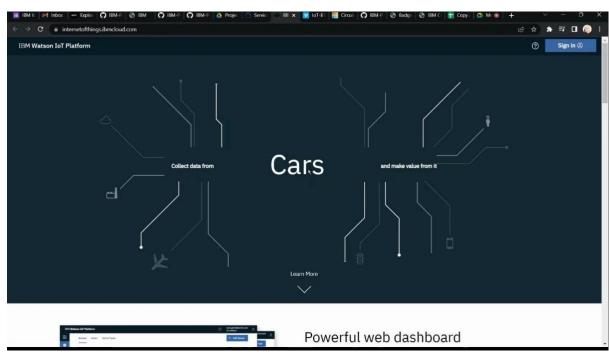
#### Procedure

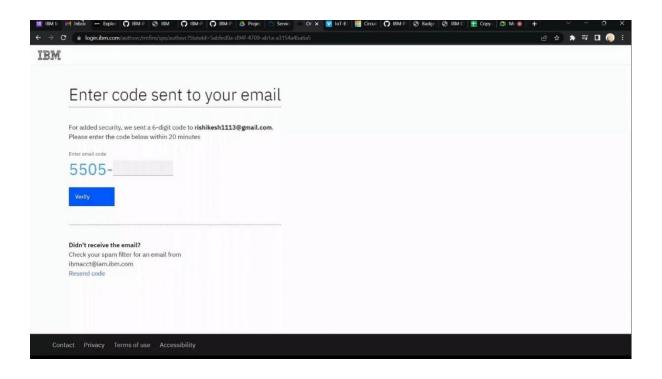
> Create an Device in IBM WATSON

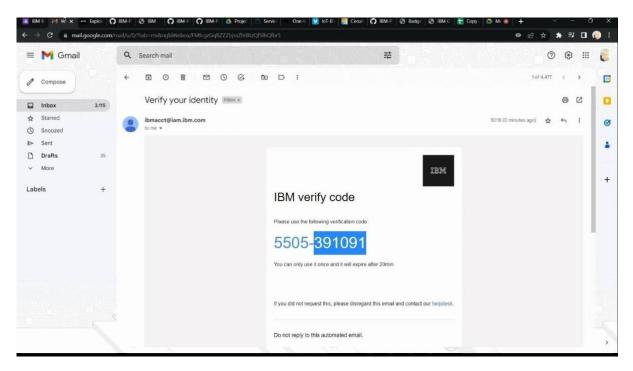


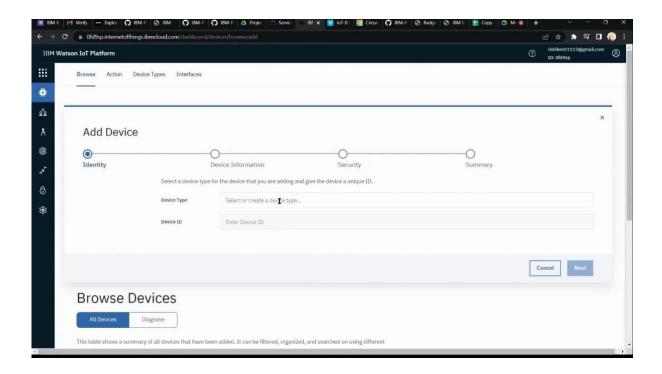


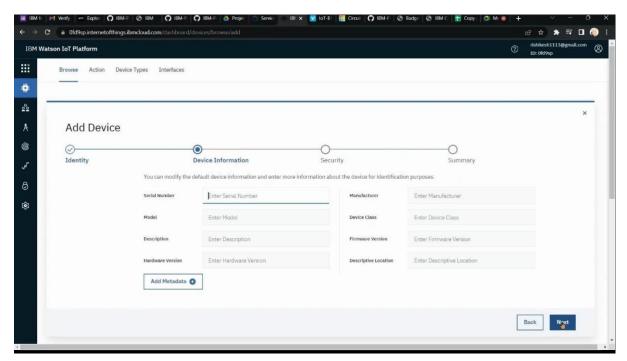


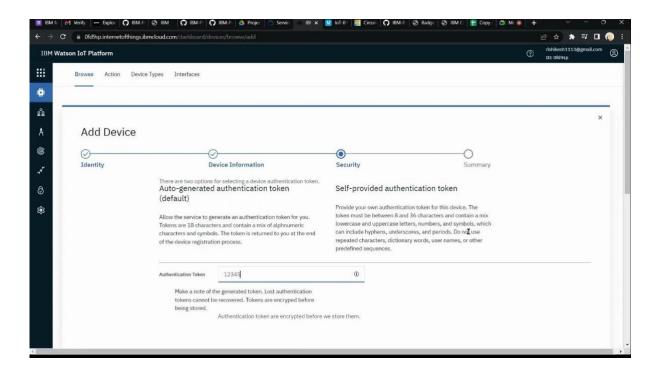


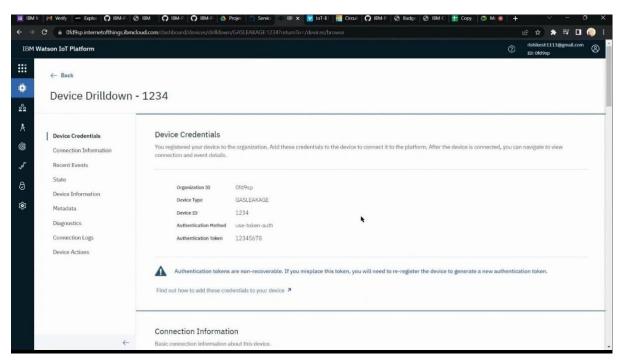


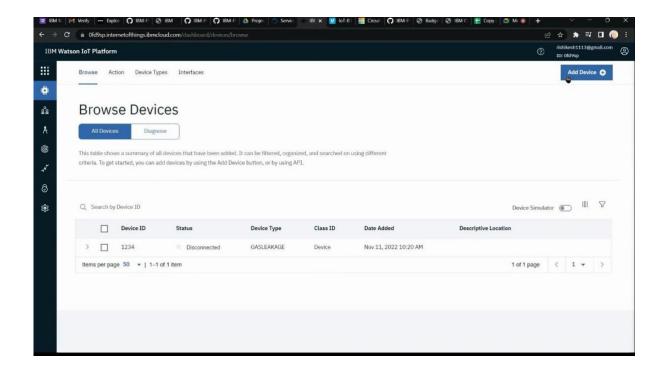










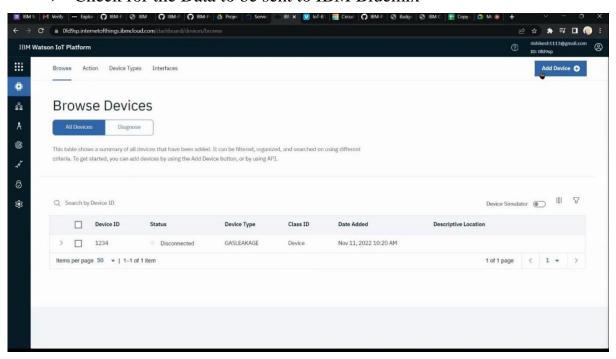


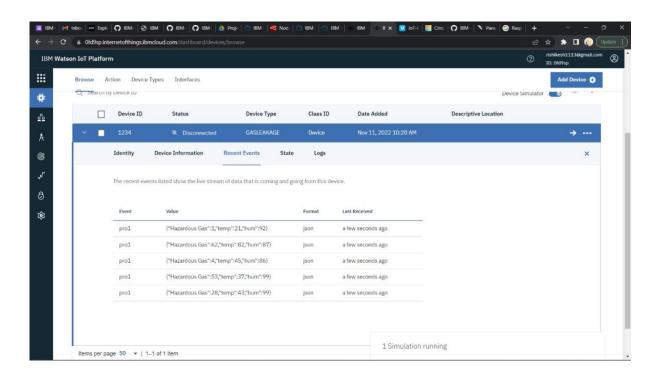
➤ Install necessary package on the Raspberry pi

```
Python 2.7.13 (default, Jan 19 2017, 14:48:08)
[CoC 6.3.0 20170124] on linux2
Type "Copyright", "credits" or "license()" for more information.

### SERIAN: / home/pi/DownLoads/dhtlitobhaiot.pp
### Commended successfully: digegtl4:mydevice:mydevice
Published Temperature = 20 C Hundity = 50 % to IBH Watson
SensorGata Invalid
SensorGata
```

#### > Check for the Data to be sent to IBM Bluemix





## > Create boards and cards for visualization

