SENDING DATA FROM RASPBERRY-PI TO IBM WATSON

Team ID	PNT2022TMID19147
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR
	INDUSTRIES

Aim:

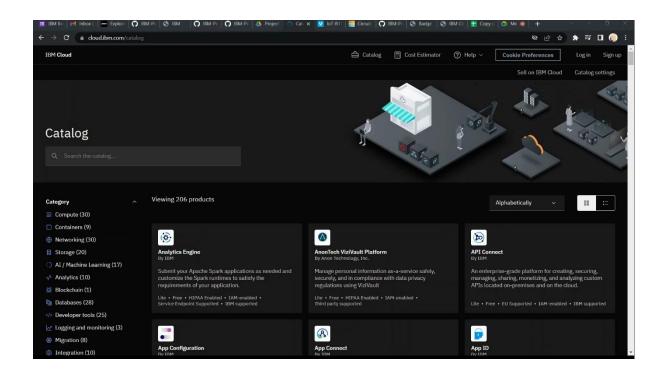
To send sensor data from the Raspberry Pi to IBM Watson. In our case, the data is from DHT sensors.

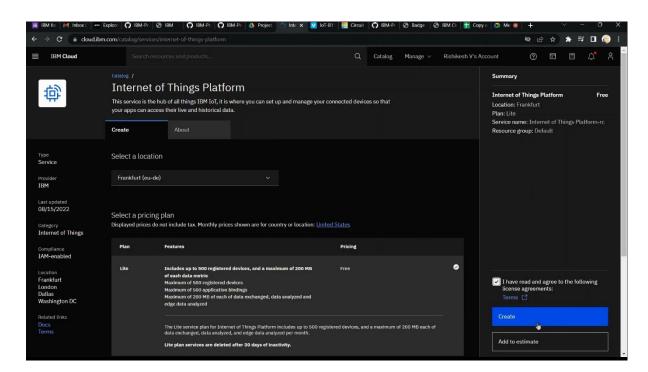
Requirements:

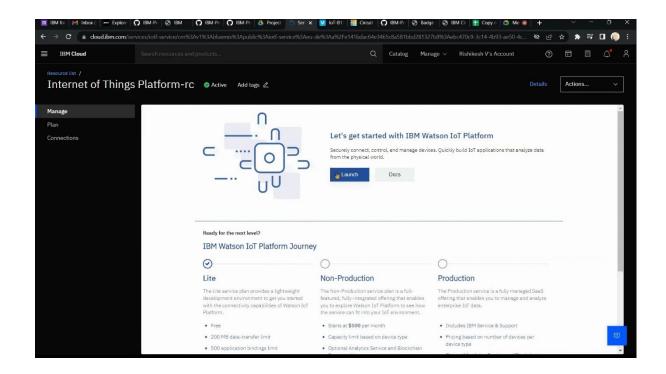
- Hardware Requirements
 - o RASPBERRY-PI (3B)(WITH ETHERNET CABLE OR WIFI CONNECTED)
 - o USB MOUSE
 - o USB KEYBOARD
 - o DHT-11 Sensor
 - o MONITOR
 - o RASPBERRY'S POWER SUPPLY
 - o VGA TO HDMI CABLE
 - Connecting Wires
- Software Requirements
 - o IBM BLUEMIX ACCOUNT

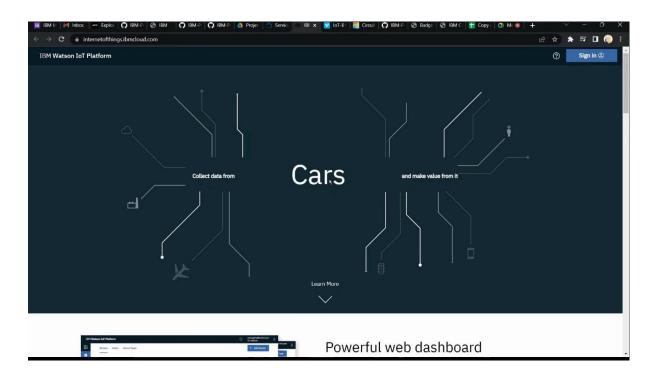
Procedure

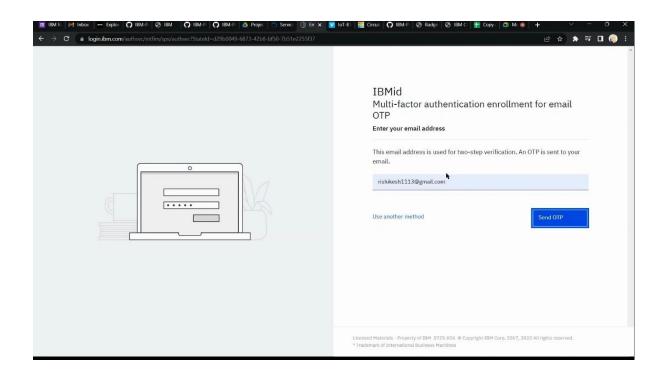
• Create an Device in IBM WATSON

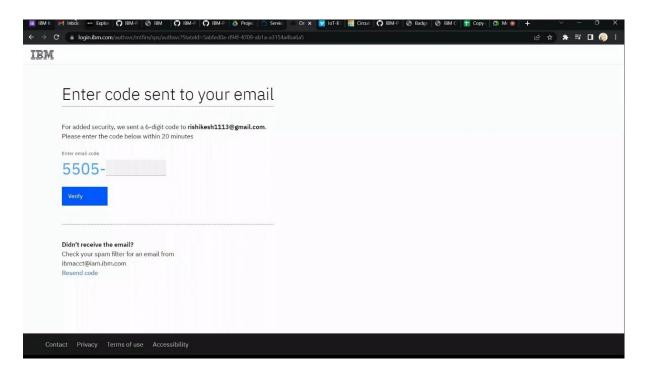


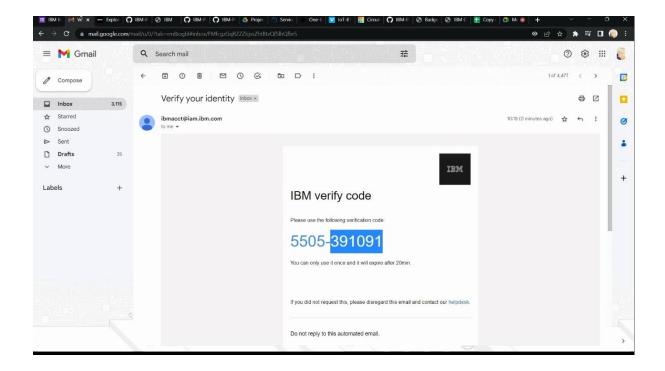


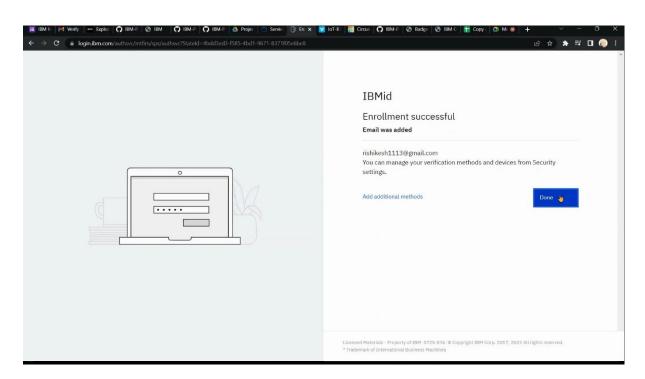


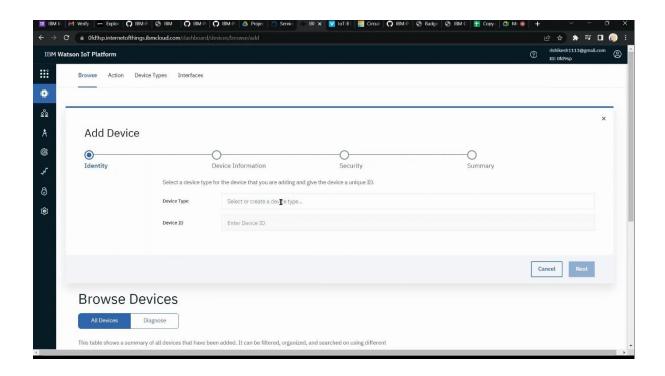


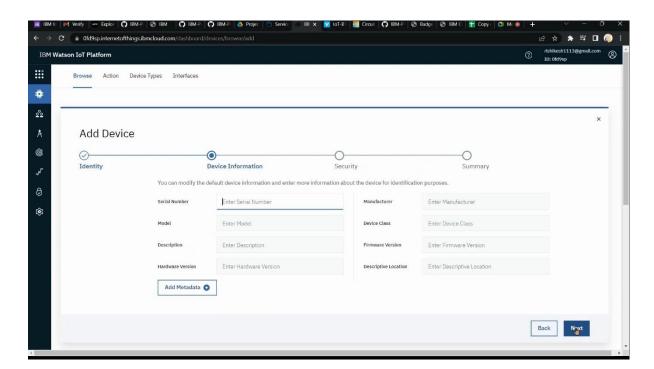


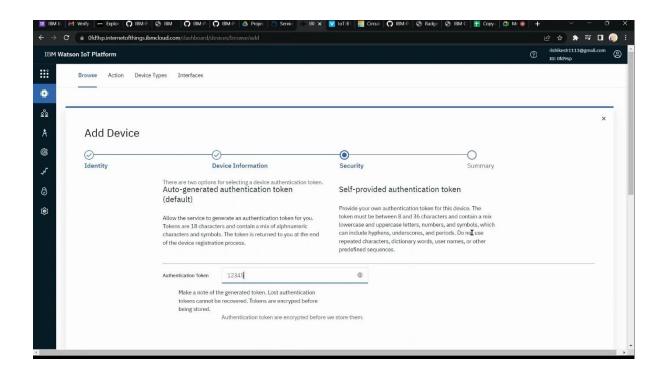


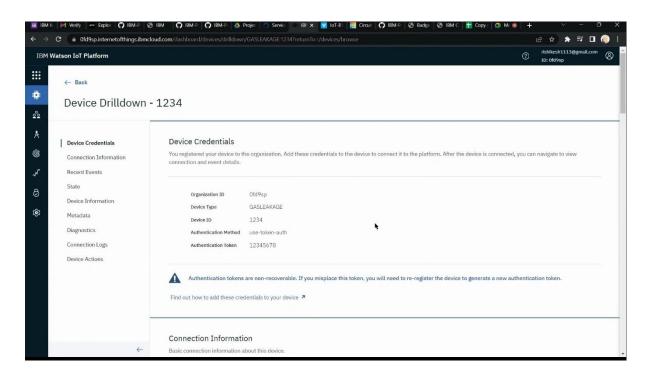


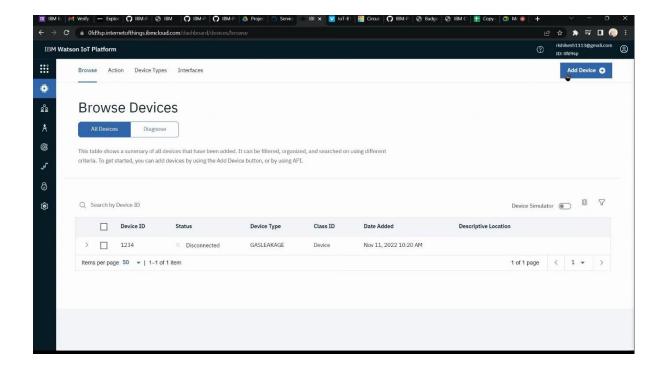












• Install necessary package on the Raspberry pi

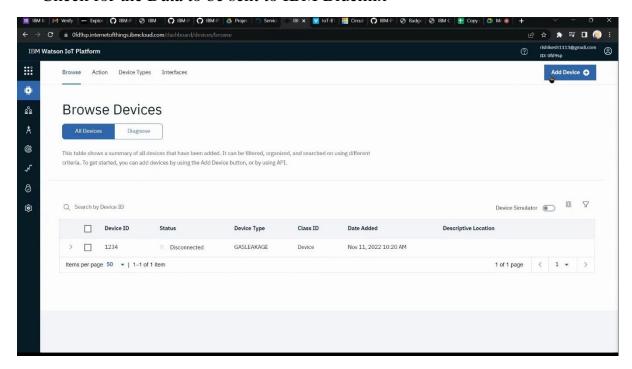
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File Cot Tabs Hap

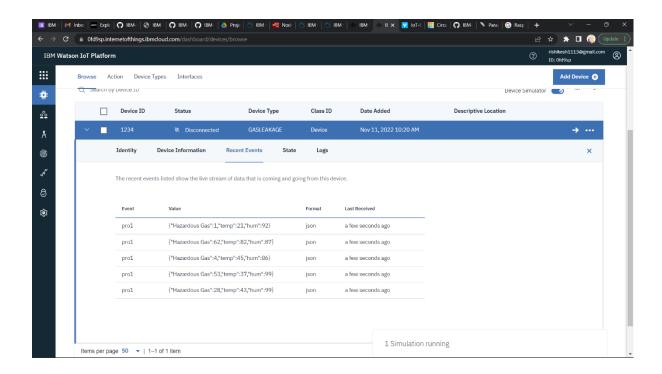
File Cot Tabs
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Python 2.7.13 (default, Jan 10 2017, 16:48:08)
[GCC 6.3.0 20170124] on linux2
Type "Copyright", "credits" or "license()" for more information.

### SETART: / home/pi/Countloade/dhtlitobholot.py
### Commoded successfully: digegtl4:mydevice:mydevice
Published Temperature = 28 C Hunidity = 50 % to IBM Watson
SensorCata Invalid
SensorCata
```

• Check for the Data to be sent to IBM Bluemix





Create boards and cards for visualization

