

TEAM ID	PNT2022TMID41967
TITLE	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES
DATE	12-SEPTEMBER 2022

PUBLISH DATA TO THE IBM CLOUD

PYTHON CODE:

```
jd vikram.py - C:/python/Python36/jd vikram.py (3.6.5)
File Edit Format Run Options Window Help

#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "3bc6ow",
        "typeId": "Nodemcu",
        "deviceId": "6225"
    },
    "auth": {
        "token": "622519106053"
    }
}

def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    m=cmd.data['command']

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
    temp=random.randint(-20,125)
    hum=random.randint(0,100)
    myData={'temperature':temp, 'humidity':hum}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
    print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()
```

IBM WATSON DATA LOG

DEVICE

IoT/ibm_code.py at main · gnane · Service Details - IBM Cloud · IBM Watson IoT Platform

3bc6ow.internetofthings.ibmcloud.com/dashboard/devices/drilldown/Nodemcu:6225?returnTo=/devices/browse

Gmail YouTube Maps Instagram

IBM Watson IoT Platform622519106053@smartinternz.comID: 3bc6ow

Back

Device Drilldown - 6225

Connection Information

Recent Events

State

Device Information

Metadata

Diagnostics

Connection Logs

Device Actions

status	{"temperature":76,"humidity":56}	json	a few seconds ago
status	{"temperature":-19,"humidity":84}	json	a few seconds ago
status	{"temperature":125,"humidity":24}	json	a few seconds ago
status	{"temperature":-12,"humidity":80}	json	a few seconds ago
status	{"temperature":-18,"humidity":15}	json	a few seconds ago

State

This table shows a list of data points that are reported by this device.

Showing Raw Data | No Interface Available