

TEAM ID	PNT2022TMID41953
TITLE	Hazardous Area Monitoring for Industrial Plant powered by IoT
DATE	12 th September 2022

PUBLISH DATA TO THE IBM CLOUD

PYTHON CODE:

```
python ss.py - C:/Users/AMMU/AppData/Local/Programs/Python/Python36-32/python ss.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": "slv43y",
        "typeId": "NodeMCU",
        "deviceId": "0515"
    },
    "auth": {
        "token": "622519106034"
    }
}

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

Service Details - IBM Cloud

IBM Watson IoT Platform

Fwd: - 622519106034@selvamte

IBM

alv43y.internetofthings.ibmcloud.com/dashboard/devices/drilldown/NodeMCU:0515?returnTo=/devices/browse

GmailYouTubeMapsNewsTranslate

IBM Watson IoT Platform

622519106034@smartinternz.com
ID: alv43y

← Back

Device Drilldown - 0515

Device Credentials

Connection Information

Recent Events

State

Device Information

Metadata

Diagnostics

Connection Logs

Device Actions

Recent Events

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
status	{"temperature":14,"humidity":89}	json	a few seconds ago
status	{"temperature":-1,"humidity":68}	json	a few seconds ago
status	{"temperature":109,"humidity":70}	json	a few seconds ago
status	{"temperature":6,"humidity":27}	json	a few seconds ago
status	{"temperature":-4,"humidity":95}	json	a few seconds ago

←

State