

Team ID	PNT2022TMID41957
Project Name	REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM

# PUBLISH DATA TO THE IBM CLOUD

rgerbr.py - C:/Users/ELCOT/AppData/Local/Programs/Python/Python36-32/rgerbr.py (3.6.5)

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```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "sa9xfa",
        "typeId": "NodeMCU",
        "deviceId": "9789"
    },
    "auth": {
        "token": "622519106036"
    }
}

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 · g...Service Details - IBM CloudIBM Watson IoT PlatformPython Release Python 3.6.5Downloads

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Device Drilldown - 9789

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":-9,"humidity":93}	json	a few seconds ago
status	{"temperature":61,"humidity":20}	json	a few seconds ago
status	{"temperature":104,"humidity":50}	json	a few seconds ago
status	{"temperature":90,"humidity":39}	json	a few seconds ago
status	{"temperature":55,"humidity":10}	json	a few seconds ago

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