

# DEVELOP A PYTHON SCRIPT TO PUBLISH AND SUBSCRIBE TO IBM IOT PLATFORM

## Publish Data to the IBM Cloud

BATCH	B12-6A2E
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PROJECT	Gas Leakage Monitoring & Alerting System for Industries

```

#IBM Watson IOT
Platform #pip
install wiotp-sdk
import
wiotp.sdk.device
import time
import
random
myConfig = {
"identity": {
"orgId":
"yf0dyy ",
"typeId":
"Gowtham ",
"deviceId":"123
45"
},
"auth": {
"token": "VJTDPRX@f&4Vuox8ms "
}
}
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:
        gas=random.randint(0,100)
        temp=random.randint(0,100)
        hum=random.randint(0,100)
        pre=random.randint(0,100)
        myData={'Hazardous Gas':gas,
            'Temperature':temp, 'Humidity':hum,
            'Pressure':pre }
        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()

```