

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

Source Code:

```
#IBM Watson IOT Platform
```

```
#pip install wiotp-sdk
```

```
import wiotp.sdk.device import time
```

```
import random
```

```
myConfig = {
```

```
"identity": {
```

```
"orgId": "jpQsay ",
```

```
"typeId": "Rishi ",
```

```
"deviceId": "12345"
```

```
},
```

```
"auth": {
```

```
"token": "BTQXLKA@j&9Mypx3lz "
```

```
}
```

```
}
```

```
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()
```