

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

Date	3 NOVEMBER 2022
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Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

```
#IBM Watson IOT Platform
```

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

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

```
import time
```

```
import random
```

```
myConfig = {
```

```
    "identity": {
```

```
        "orgId": "3mmnyv",
```

```
        "typeId": "KIRUTHIKA",
```

```
        "deviceId":
```

```
        "KIRUTHIKA_1"
```

```
    },
```

```
    "auth": {
```

```
        "token": "a-3mmnyv-86xlpbvcdz "
```

```
    }
```

```
}
```

```
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()
```