

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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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 timeimport
```

```
random myConfig = {
```

```
"identity ": {
```

```
"orgId": "sbg7eg",
```

```
"typeId": "15548_device",
```

```
"deviceId": "15548"
```

```
},
```

```
"auth": {
```

```
"token": "Y+qAU89IG2uOhcM@hw"
```

```
}
```

```
}
```

```

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()

```