

Gas Leakage monitoring & Alerting system for Industries

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#IBM Watson IOT Platform

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

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

```
import time
```

```
import random
```

```
myConfig = {
```

```
"identity": {
```

```
"orgId": "4o5bpf",
```

```
"typeId": "TestDeviceType",
```

```
"deviceId": "28122001"
```

```
},
```

```
"auth": {
```

```
"token": "rlerLKxv&K2!a0FFQC"
```

```
}
```

```
} 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()
```