

GAS LEAKAGE MONITORING ALERTING SYSTEM FOR INDUSTRIES

TITLE	GAS LEAKAGE MONITORING ALERTING SYSTEM FOR INDUSTRIES
DOMAIN NAME	INTERNET OF THINGS
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```
#IBM Watson IOT Platform
```

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

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

```
import time
```

```
import random
```

```
myConfig = { "identity": { "orgId": "yf0dy ", "typeId": "Kumaran ", "deviceId": "12345" }, "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, on Publish=None)
```

```
print("Published data Successfully: %s", myData) client.commandCallback = my Command Call  
backtime.sleep(2) client.disconnect()
```