## 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 time
import random
myConfig = {
  "identity": {
"orgId": "juel0b",
"typeId": "NodeMCU",
"deviceId":"12345"
  },
  "auth": {
"token": "12345678"
}
}
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()
```





