

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": "v2g696",

"typeId":

"sairaj",

"deviceId": "123

45"

},

"auth": {

"token": "123456789 "

}

}

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(0,1  
00)
```

```
hum=random.randint(0,10  
0)
```

```
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()
```