

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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TEAM ID	<u>PNT2022TMID25430</u>
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": "yf0dyy ",
```

```
"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)

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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(
```