

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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TEAM ID	PNT2022TMID31403
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": "yf0dyd ",
```

```
"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, onPublish=None)
print("Published data Successfully: %s", myData)
client.commandCallback = myCommandCallback
time.sleep(2)
client.disconnect()
```