

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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|---------------------|---|
| Date | 31 NOVEMBER 2022 |
| Team ID | PNT2022TMID53803 |
| 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)
```

```
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()
```