

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES
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```
#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()
```